

410 Rec'd PCT/PtO 28 FEB 2000

FORM PTO-1399
(REV 11-98)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371**

1576.79
MAR 0,
U.S. APPLICATION NO. DE-1399-13
NO DATE CANCELLED
086981

INTERNATIONAL APPLICATION NO.
PCT/JP98/03917INTERNATIONAL FILING DATE
02 September 1998 (2.09.98)PRIORITY DATE CLAIMED
02 September 1997 (2.09.97)

TITLE OF INVENTION

MOLECULAR COMPOUNDS CONTAINING PHENOL DERIVATIVES AS CONSTITUENT

APPLICANT(S) FOR DO/EO/US
AOKI, Izuo, et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

- This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
- This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
- This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(l).
- A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
- A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - is transmitted herewith (required only if not transmitted by the International Bureau).
 - has been transmitted by the International Bureau.
 - is not required, as the application was filed in the United States Receiving Office (RO/US).
- A translation of the International Application into English (35 U.S.C. 371(c)(2)).
- Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - are transmitted herewith (required only if not transmitted by the International Bureau).
 - have been transmitted by the International Bureau.
 - have not been made; however, the time limit for making such amendments has NOT expired.
 - have not been made and will not be made.
- A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
- An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
- A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11. to 16. below concern document(s) or information included:

- An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
- An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
- A FIRST preliminary amendment.
- A SECOND or SUBSEQUENT preliminary amendment.
- A substitute specification.
- A change of power of attorney and/or address letter.
- Other items or information: Copy of International Search Report; Copy of International Preliminary Examination Report (Japanese); Copy of Front Page of International Publication (WO99/11609); Copy of PCT Notification Concerning Submission of Priority Document(s); Certification of family-registry of deceased inventor (Izuo AOKI) in Japanese; English translation of same, and Declaration of translator.

U.S. APPLICATION NO. (If known) 10911486981

INTERNATIONAL APPLICATION NO.
PCT/JP98/03917ATTORNEY'S DOCKET NUMBER
1576.7917. The following fees are submitted:**BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5))**

Neither international preliminary examination fee (37 CFR 1.482)	
nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO	\$970.00
and International Search Report not prepared by the EPO or JPO	
International preliminary examination fee (37 CFR 1.482) not paid to	
USPTO but International Search Report prepared by the EPO or JPO	\$840.00
International preliminary examination fee (37 CFR 1.482) not paid to USPTO but	
international search fee (37 CFR 1.445(a)(2)) paid to USPTO	\$760.00
International preliminary examination fee paid to USPTO (37 CFR 1.482)	
but all claims did not satisfy provisions of PCT Article 33(l)-(4)	\$670.00
International preliminary examination fee paid to USPTO (37 CFR 1.482)	
and all claims satisfied provisions of PCT Article 33(1)-(4)	\$96.00

ENTER APPROPRIATE BASIC FEE AMOUNT =

\$ 840.00

Surcharge of \$130.00 for furnishing the oath or declaration later than 20 30 months from the earliest claimed priority date (37 CFR 1.492(c)).

\$ 0.00

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE
Total claims	24	-20 =	4 X \$18.00
Independent claims	4	-3 =	1 X \$78.00

\$ 72.00
\$ 78.00

MULTIPLE DEPENDENT CLAIM(S) (if applicable)		+ \$260.00	\$ 0.00
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TOTAL OF ABOVE CALCULATIONS = \$ 990.00

Reduction of 1/2 for filing by small entity, if applicable. A Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28).

\$ 0.00

SUBTOTAL = \$ 990.00

Processing fee of \$130.00 for furnishing the English translation later than 20 30 months from the earliest claimed priority date (37 CFR 1.492(f)).

\$ 0.00

TOTAL NATIONAL FEE = \$ 990.00

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property

\$ 0.00

TOTAL FEES ENCLOSED = \$ 990.00

Amount to be:	\$
refunded	
charged	\$

a. A check in the amount of \$_____ to cover the above fees is enclosed.b. Please charge my Deposit Account No. 13-1992 in the amount of \$990.00 to cover the above fees. A duplicate copy of this sheet is enclosed.c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 13-1992. A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO

Louise A. Foutch
 Mason & Associates, P.A.
 17757 US Hwy 19 N
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 Clearwater, FL 33764

Louise A. Foutch

SIGNATURE

Louise A. Foutch

NAME

37,133

REGISTRATION NUMBER

Practitioner's Docket No. 1576.79

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: AOKI, Izuo et al.

Application No.:

Group No.: Unknown

Filed:

Examiner: Unknown

For: MOLECULAR COMPOUNDS CONTAINING PHENOL DERIVATIVES AS CONSTITUENT

Assistant Commissioner for Patents
 Washington, D.C. 20231

PRELIMINARY AMENDMENT TRANSMITTAL

- Transmitted herewith is a Preliminary Amendment for this application.

STATUS

- Applicant is other than a small entity.

EXTENSION OF TERM

- The proceedings herein are for a patent application and the provisions of 37 C.F.R. 1.136 apply.
 Applicant believes that no extension of term is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition for extension of time.

CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. 1.8(a))

I hereby certify that, on the date shown below, this correspondence is being:

MAILING

- deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.
- EXPRESS MAIL: EL520884074US

Date: Feb. 28, 2000

FACSIMILE

- transmitted by facsimile to the Patent and Trademark Office.



Signature

 Diane Miller, Legal Assistant
 (type or print name of person certifying)

FEE FOR CLAIMS

4. The fee for claims (37 C.F.R. 1.16(b)-(d)) has been calculated as shown below:

(Col. 1)	(Col. 2)	(Col. 3)	OTHER THAN A SMALL ENTITY	
Claims Remaining After Amendment	Highest No. Previously Paid For	Present Extra	Rate	Addit. Fee
Total	24	Minus	24	= 0 x \$18 = \$0
Indep.	4	Minus	4	= 0 x \$78 = \$0
First Presentation of Multiple Dependent Claim			+ \$260 =	\$0
			Total Addit. Fee	\$0

- * If the entry in Col. 1 is less than the entry in Col. 2, write "O" in Col. 3,
- ** If the "Highest No. Previously Paid For" IN THIS SPACE (Column 2, Row 1) is less than 20, enter "20".
- *** If the "Highest No. Previously Paid For" IN THIS SPACE (Column 2, Row 2) is less than 3, enter "3".
The "Highest No. Previously Paid For" (Total or Indep.) is the highest number found in the appropriate box in Col. 1 of a prior amendment or the number of claims originally filed.

No additional fee for claims is required.

FEE DEFICIENCY

5. If any additional extension and/or fee is required, charge Account No. 13-1992.
If any additional fee for claims is required, charge Account No. 13-1992.

Date: 02/28/00

Louise A. Foutch
Signature of Practitioner

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PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Izuo AOKI, et al.)
S.N.:)
Filed:) Examiner: Unknown
For: MOLECULAR COMPOUNDS CONTAINING) Art Unit: Unknown
PHENOL DERIVATIVES AS)
CONSTITUENT)

CERTIFICATE OF EXPRESS MAIL UNDER 37 C.F.R. §1.10

"Express Mail mailing label number: EL520884074US
Date of Deposit: February 28, 2000

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.


Diane Miller, Legal Assistant

Box NON-FEE AMENDMENT
Assistant Commissioner For Patents
Washington, DC 20231

Dear Sir or Madam:

Please amend the above-identified patent application prior to examination thereof, in the manner indicated below.

PRELIMINARY AMENDMENT
(37 C.F.R. §1.115)

IN THE CLAIMS:

Please cancel Claims 5-7 without disclaimer to their content and without prejudice to their subsequent reintroduction into this or a future patent application.

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ADD THE FOLLOWING NEW CLAIMS:

8. A molecular compound according to Claim 1, in which the molecular compound is a clathrate compound.

9. A molecular compound according to Claim 2, in which the molecular compound is a clathrate compound.

10. A molecular compound according to Claim 3, in which the molecular compound is a clathrate compound.

11. A molecular compound according to Claim 4, in which the molecular compound is a clathrate compound.

12. A molecular compound according to Claim 1, in which the molecular compound contains, as constituents:

a phenol derivative selected from the group consisting of Formula (I), (IV), (V) and (VI); and

a material that reacts with the phenol derivative to form a molecular compound selected from the group consisting of antibacterial agents, antifungal agents, insecticides, noxious insect repellants, perfumes, deodorants, antifouling agents, curing agents for coating materials, accelerators for coating materials, resins, adhesives, natural essential oils, antioxidants, vulcanization accelerators and organic solvents.

13. A molecular compound according to Claim 2, in which the molecular compound contains, as constituents:

a phenol derivative selected from the group consisting of Formula (I), (IV), (V) and (VI); and

a material that reacts with the phenol derivative to form a molecular compound selected from the group consisting of

antibacterial agents, antifungal agents, insecticides, noxious insect repellants, perfumes, deodorants, antifouling agents, curing agents for coating materials, accelerators for coating materials, resins, adhesives, natural essential oils, antioxidants, vulcanization accelerators and organic solvents.

14. A molecular compound according to Claim 3, in which the molecular compound contains, as constituents:

a phenol derivative selected from the group consisting of Formula (I), (IV), (V) and (VI); and

a material that reacts with the phenol derivative to form a molecular compound selected from the group consisting of antibacterial agents, antifungal agents, insecticides, noxious insect repellants, perfumes, deodorants, antifouling agents, curing agents for coating materials, accelerators for coating materials, resins, adhesives, natural essential oils, antioxidants, vulcanization accelerators and organic solvents.

15. A molecular compound according to Claim 4, in which the molecular compound contains, as constituents:

a phenol derivative selected from the group consisting of Formula (I), (IV), (V) and (VI); and

a material that reacts with the phenol derivative to form a molecular compound selected from the group consisting of antibacterial agents, antifungal agents, insecticides, noxious insect repellants, perfumes, deodorants, antifouling agents, curing agents for coating materials, accelerators for coating materials, resins, adhesives, natural essential oils, antioxidants, vulcanization accelerators and organic solvents.

16. A molecular compound according to Claim 8, in which the molecular compound contains, as constituents:

a phenol derivative selected from the group consisting of Formula (I), (IV), (V) and (VI); and

a material that reacts with the phenol derivative to form a molecular compound selected from the group consisting of antibacterial agents, antifungal agents, insecticides, noxious insect repellants, perfumes, deodorants, antifouling agents, curing agents for coating materials, accelerators for coating materials, resins, adhesives, natural essential oils, antioxidants, vulcanization accelerators and organic solvents.

17. A molecular compound according to Claim 9, in which the molecular compound contains, as constituents:

a phenol derivative selected from the group consisting of Formula (I), (IV), (V) and (VI); and

a material that reacts with the phenol derivative to form a molecular compound selected from the group consisting of antibacterial agents, antifungal agents, insecticides, noxious insect repellants, perfumes, deodorants, antifouling agents, curing agents for coating materials, accelerators for coating materials, resins, adhesives, natural essential oils, antioxidants, vulcanization accelerators and organic solvents.

18. A molecular compound according to Claim 10, in which the molecular compound contains, as constituents:

a phenol derivative selected from the group consisting of Formula (I), (IV), (V) and (VI); and

a material that reacts with the phenol derivative to form a molecular compound selected from the group consisting of antibacterial agents, antifungal agents, insecticides, noxious insect repellants, perfumes, deodorants, antifouling agents, curing agents for coating materials, accelerators for coating materials, resins, adhesives, natural essential oils, antioxidants, vulcanization accelerators and organic solvents.

19. A molecular compound according to Claim 11, in which the molecular compound contains, as constituents:

a phenol derivative selected from the group consisting of Formula (I), (IV), (V) and (VI); and

a material that reacts with the phenol derivative to form a molecular compound selected from the group consisting of antibacterial agents, antifungal agents, insecticides, noxious insect repellants, perfumes, deodorants, antifouling agents, curing agents for coating materials, accelerators for coating materials, resins, adhesives, natural essential oils, antioxidants, vulcanization accelerators and organic solvents.

20. A process for producing a molecular compound according to Claim 1, in which a phenol derivative selected from the group consisting of Formula (I), (IV), (V) and (VI) is reacted with a material selected from the group consisting of antibacterial agents, antifungal agents, insecticides, noxious insect repellants, perfumes, deodorants, antifouling agents, curing agents for coating materials, accelerators for coating materials,

resins, adhesives, natural essential oils, antioxidants, vulcanization accelerators and organic solvents to form a molecular compound.

21. A process for producing a molecular compound according to Claim 2, in which a phenol derivative selected from the group consisting of Formula (I), (IV), (V) and (VI) is reacted with a material selected from the group consisting of antibacterial agents, antifungal agents, insecticides, noxious insect repellants, perfumes, deodorants, antifouling agents, curing agents for coating materials, accelerators for coating materials, resins, adhesives, natural essential oils, antioxidants, vulcanization accelerators and organic solvents to form a molecular compound.

22. A process for producing a molecular compound according to Claim 3, in which a phenol derivative selected from the group consisting of Formula (I), (IV), (V) and (VI) is reacted with a material selected from the group consisting of antibacterial agents, antifungal agents, insecticides, noxious insect repellants, perfumes, deodorants, antifouling agents, curing agents for coating materials, accelerators for coating materials, resins, adhesives, natural essential oils, antioxidants, vulcanization accelerators and organic solvents to form a molecular compound.

23. A process for producing a molecular compound according to Claim 4, in which a phenol derivative selected from the group consisting of Formula (I), (IV), (V) and (VI) is reacted with a material selected from the group consisting of antibacterial

agents, antifungal agents, insecticides, noxious insect repellants, perfumes, deodorants, antifouling agents, curing agents for coating materials, accelerators for coating materials, resins, adhesives, natural essential oils, antioxidants, vulcanization accelerators and organic solvents to form a molecular compound.

24. A process for producing a molecular compound according to Claim 5, in which a phenol derivative selected from the group consisting of Formula (I), (IV), (V) and (VI) is reacted with a material selected from the group consisting of antibacterial agents, antifungal agents, insecticides, noxious insect repellants, perfumes, deodorants, antifouling agents, curing agents for coating materials, accelerators for coating materials, resins, adhesives, natural essential oils, antioxidants, vulcanization accelerators and organic solvents to form a molecular compound.

25. A process for producing a molecular compound according to Claim 6, in which a phenol derivative selected from the group consisting of Formula (I), (IV), (V) and (VI) is reacted with a material selected from the group consisting of antibacterial agents, antifungal agents, insecticides, noxious insect repellants, perfumes, deodorants, antifouling agents, curing agents for coating materials, accelerators for coating materials, resins, adhesives, natural essential oils, antioxidants, vulcanization accelerators and organic solvents to form a molecular compound.

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26. A process for producing a molecular compound according to Claim 7, in which a phenol derivative selected from the group consisting of Formula (I), (IV), (V) and (VI) is reacted with a material selected from the group consisting of antibacterial agents, antifungal agents, insecticides, noxious insect repellants, perfumes, deodorants, antifouling agents, curing agents for coating materials, accelerators for coating materials, resins, adhesives, natural essential oils, antioxidants, vulcanization accelerators and organic solvents to form a molecular compound.

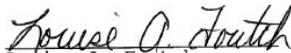
27. A process for producing a molecular compound according to Claim 8, in which a phenol derivative selected from the group consisting of Formula (I), (IV), (V) and (VI) is reacted with a material selected from the group consisting of antibacterial agents, antifungal agents, insecticides, noxious insect repellants, perfumes, deodorants, antifouling agents, curing agents for coating materials, accelerators for coating materials, resins, adhesives, natural essential oils, antioxidants, vulcanization accelerators and organic solvents to form a molecular compound.

REMARKS

Claims 5-7 have been canceled without prejudice. Claims 1-4 and 8-27 are presently pending before the Office. The claims were amended to remove multiple dependent claims. Applicants are not intending in any manner to narrow the scope of the originally

filed claims. No new matter has been added, support for the new claims can be found throughout the specification as originally filed.

Very Respectfully,



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Date: 02/28/00

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SPECIFICATION

MOLECULAR COMPOUNDS CONTAINING PHENOL DERIVATIVES AS CONSTITUENT

Technical Fields:

This invention relates to novel molecular compounds, and, in more detail, to molecular compounds containing phenol derivatives with a specific structure as a constituent and to processes for producing them.

Background Art:

Molecular compounds are compounds that two or more compounds are bonded by relatively weak interactions, other than covalent bonds, which are represented by hydrogen bonds and van der Waals forces. They can be dissociated into each original compound by means of simple operations. Because of this they are expected in recent years to be applicable in technical fields where a useful substance is selectively separated, chemically stabilized, rendered nonvolatile, gradually releasable, powdered or otherwise treated.

A concrete example of the molecular compounds is clathrate compounds. For example, clathrate compounds of 5-chloro-2-methyl-4-isothiazolin-3-one with 1,1,6,6-tetraphenyl-2,4-hexadiyne-1,6-diol or 1,1-(2,4-dimethylphenyl)-2-propyn-1-ol are described in Japanese Patent Laid-Opened No. Sho 61-53201, and with 1,1'-bis-2-naphthol in Japanese Patent Laid-Opened No. Sho 62-22701. In Japanese Patent Laid-Opened No. Hei 3-279373 clathrate compounds composed of bisphenol compounds and isothiazolone compounds are reported. Furthermore clathrate compounds of tetrakisphenols with various organic compounds are disclosed in Japanese Patent Laid-Opened No. Hei 6-166646.

Conventional technologies have not, however, yet produced molecular compounds with fully satisfactory performances in selective separation, chemical stabilization, rendering nonvolatile, gradual release, powdering and other treatments.

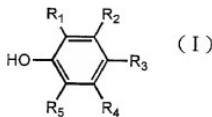
Disclosure of the Invention:

It is an object for the present invention to provide novel molecular compounds that contain phenol derivatives with a specific structure as a constituent and that have excellent performances in technological fields where a useful substance is selectively separated, chemically stabilized, rendered nonvolatile, gradually releasable, powdered or otherwise treated.

The inventors of this invention have made intensive investigation to achieve the object mentioned above, and found that phenol derivatives having a sulfonyl group at the ortho position of a hydrogen group and a carbonyl group produce molecular compounds effectively and that the molecular compounds have excellent performances in technological fields where a useful substance is selectively separated, chemically

stabilized, rendered nonvolatile, gradually releasable, powdered or otherwise treated. Thus the present invention has been accomplished.

This invention is directed to molecular compounds containing, as a constituent, phenol derivatives of Formula (I)



[wherein R₁ and R₅ are, same or different, groups selected from hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl, or



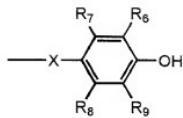
(wherein Y and Z are alkyl having 1 to 8 carbons, alkenyl having 2 to 8 carbons, alkoxy having 1 to 6 carbons, hydroxyl, optionally substituted amino, optionally substituted cycloalkyl, optionally substituted phenyl or optionally substituted aralkyl);

R₂ and R₄ are, same or different, groups selected from hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons or hydroxyl; but, in case R₁, R₃ or R₅ is alkoxy of 1 to 4 carbons or hydroxyl, they are hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl or

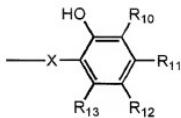


(wherein Y and Z are as defined above);

R₃ is a group selected from hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl, Formula (II) or Formula (III)

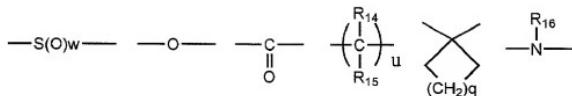


(I I)



(I I I)

{wherein X is



(wherein w is 0, 1 or 2; u is 0 or 1; q is 0 to 4; R₁₄ and R₁₅ are, same or different, hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl, optionally substituted phenyl or optionally substituted aralkyl; R₁₆ is hydrogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl, optionally substituted phenyl or optionally substituted aralkyl); R₆, R₉ and R₁₀ are, same or different each other, groups selected from hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl or



(wherein Y and Z are as defined above);

R_7 , R_8 , R_{11} and R_{13} are, same or different each other, hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons or hydroxyl; but, in case R_{12} is alkoxy having 1 to 4 carbons or hydroxyl, R_{11} is hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl, or



(wherein Y and Z are as defined above):

R_{12} is a group selected from hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl,

having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl, or



(wherein Y and Z are as defined above)}, or



(wherein Y and Z are as defined above), or

in case R₃ is represented by Formula (II), one of R₁, R₅, R₆ and R₉ is



(wherein Y and Z are as defined above),

in case R₃ is represented by Formula (III), at least one of R₁, R₅ and R₁₀ is



(wherein Y and Z are as defined above), and

in case R₃ is a group other than Formula (II) or (III), either R₁ or R₅ is



(wherein Y and Z are as defined above)].

The present invention also relate to molecular compounds that contain a phenol derivative of Formula (I) as a constituent and that are characterized to be clathrate compounds, and to molecular compounds containing, as constituents, a phenol derivative of Formula (I) and antibacterial agents, antifungal agents, insecticides,

noxious insect repellants, perfumes, deodorants, antifouling agents, curing agents and accelerators for coating materials, resins and adhesives, natural essential oils, antioxidants, vulcanization accelerators or organic solvents that react with the said phenol derivative to form a molecular compound. The present invention further relates to processes for producing any of the molecular compounds mentioned above by reacting a phenol derivative of Formula (I) with constituent compounds that react with the said phenol derivative to form a molecular compound.

The molecular compounds of the present invention are defined as compounds that two or more constituent compounds able to exist stably on their own are bonded by relatively weak interactions, other than covalent bonds, which are represented by hydrogen bonds and van der Waals forces. Compounds such as hydrates, solvates, adducts and clathrate compounds are included in them.

In Formula (I), R₁ and R₅ are groups selected from hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl or



(wherein Y and Z are alkyl having 1 to 8 carbons, alkenyl having 2 to 8 carbons, alkoxy having 1 to 6 carbons, hydroxyl, optionally substituted amino, optionally substituted cycloalkyl, optionally substituted phenyl or optionally substituted aralkyl).

Their examples include fluorine, chlorine, bromine, iodine, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, vinyl, allyl, isopropenyl, 1-propenyl, 2-butenyl, 3-butenyl, 1,3-butanediyl, methoxy, ethoxy, n-propoxy, isopropoxy, n-butoxy, isobutoxy, sec-butoxy or tert-butoxy.

Examples of Y and Z include methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, n-pentyl, isopentyl, sec-pentyl, neo-pentyl, tert-pentyl, n-hexyl, isoheptyl, sec-hexyl, n-heptyl, isoheptyl, sec-heptyl, n-octyl, isoctyl, sec-octyl, vinyl, allyl, 1-propenyl, isopropenyl, 1-butenyl, 2-butenyl, 3-butenyl, 1,3-butanediyl, 1-pentenyl, 2-pentenyl, 3-pentenyl, 4-pentenyl, hexynyl, hexyldiyln, heptyndiyln, octynyl, octyldiyln, cyclopentyl, methylcyclopentyl, dimethylcyclopentyl, cyclohexyl, methylcyclohexyl, dimethylcyclohexyl, trimethylcyclohexyl, tetramethylcyclohexyl, pentamethylcyclohexyl, hexamethylcyclohexyl, cycloheptyl, methylcycloheptyl, phenyl, o-tolyl, m-tolyl, p-tolyl, 2,3-xylyl, 2,4-xylyl, 2,5-xylyl, 2,6-xylyl, 3,4-xylyl, 3,5-xylyl, o-cumanyl, m-cumanyl, p-cumanyl, mesityl, benzyl, o-tolylmethyl, m-tolylmethyl, p-tolylmethyl, 2,3-xylylmethyl, 2,4-xylylmethyl, 2,5-xylylmethyl, 2,6-xylylmethyl, 3,4-xylylmethyl, 3,5-xylylmethyl, mesitylmethyl, o-cumenylmethyl, m-cumenylmethyl, p-cumenylmethyl, phenethyl, α -methylbenzyl, 1-naphthyl, 2-naphthyl, methoxy, ethoxy or dimethylamino. The examples of Y and Z in R₂, R₃ and R₄ are as described above in this text unless otherwise described.

R_2 and R_4 are hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, or hydroxyl. But, in case R_3 is alkoxy having 1 to 4 carbons or hydroxyl, they are groups selected from hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl, or



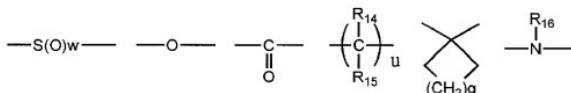
(wherein Y and Z are as defined above). Their examples include fluorine, chlorine, bromine, iodine, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, vinyl, allyl, isopropenyl, 1-propenyl, 2-but enyl, 3-but enyl, 1,3-but anedi enyl, methoxy, ethoxy, n-propoxy, isopropoxy, n-butoxy, isobutoxy, sec-butoxy, tert-butoxy, phenylsulfonyl or benzoyl.

R_3 is a group selected from hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl, Formula (II), Formula (III), or



(wherein Y and Z are as defined above). Its examples include fluorine, chlorine, bromine, iodine, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, vinyl, allyl, isopropenyl, 1-propenyl, 2-butenyl, 3-butenyl, 1,3-butanediynyl, methoxy, ethoxy, n-propoxy, isopropoxy, n-butoxy, isobutoxy, sec-butoxy, tert-butoxy, 2-hydroxy-3-phenylsulfonyl-phenylsulfonyl or 4-hydroxy-3-phenylsulfonyl-phenylsulfonyl.

In Formulae (II) and (III), X is



(wherein w is 0, 1 or 2; u is 0 or 1; q is 0 to 4; R₁₄ and R₁₅ are hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl, optionally substituted phenyl or optionally substituted aralkyl; R₁₆ is hydrogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to

4 carbons, hydroxyl, optionally substituted phenyl or optionally substituted aralkyl).

Its examples include 1,1-dimethylmethylen, 1-methyl-t-butyl-methylene, 1-methyl-1-phenyl-methylene, 1-methyl-1-hydroxymethylene, N-methylimino, N-methoxyimino, N-allylimino, 1,1-cyclohexylene or 1,1-cyclopentylene.

In Formulae (II) and (III), R₆, R₉ and R₁₀ are groups selected from hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl or



(wherein Y and Z are as defined above).

Their examples include fluorine, chlorine, bromine, iodine, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, vinyl, allyl, isopropenyl, 1-propenyl, 2-but enyl, 3-but enyl, 1,3-butanedi enyl, methoxy, ethoxy, n-propoxy, isopropoxy, n-butoxy, isobutoxy, sec-butoxy, tert-butoxy, phenylsulfonyl or benzoyl.

R₇, R₈, R₁₁ and R₁₃ are hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons or hydroxyl, but, in case R₁₂ is alkoxy having 1 to 4 carbons or hydroxyl, R₁₁ is a group selected from hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl or



(wherein Y and Z are as defined above).

Their examples include fluorine, chlorine, bromine, iodine, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, vinyl, allyl, isopropenyl, 1-propenyl, 2-but enyl, 3-but enyl, 1,3-butanedi enyl, methoxy, ethoxy, n-propoxy, isopropoxy, n-butoxy, isobutoxy, sec-butoxy, tert-butoxy, phenylsulfonyl or benzoyl.

R₁₂ is a group selected from hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 1 to 4 carbons, hydroxyl or

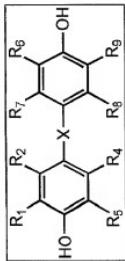


(wherein Y and Z are as defined above).

Its examples include fluorine, chlorine, bromine, iodine, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, vinyl, allyl, isopropenyl, 1-propenyl,

2-butenyl, 3-butenyl, 1,3-butanediyl, methoxy, ethoxy, n-propoxy, isopropoxy, n-butoxy, isobutoxy, sec-butoxy, tert-butoxy, phenylsulfonyl or benzoyl.

Phenol derivatives used in the present invention are not particularly restricted if they are compounds represented by Formula (I). Examples of the compounds of Formula (I) are listed in Tables 1, 2 and 3.

Table 1]

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1	SO ₂	SO ₂ CH ₃	H	H	H	H	H	H	H
2	SO ₂	SO ₂ CH ₃	H	H	H	H	H	H	SO ₂ CH ₃
3	SO ₂	SO ₂ CH ₃	H	H	SO ₂ CH ₃	H	H	H	SO ₂ CH ₃
4	SO ₂	SO ₂ CH ₃	H	H	SO ₂ CH ₃	SO ₂ CH ₃	H	H	SO ₂ CH ₃
5	SO ₂	SO ₂ C ₂ H ₅	H	H	H	H	H	H	H
6	SO ₂	SO ₂ C ₂ H ₅	H	H	H	H	H	H	SO ₂ C ₂ H ₅
7	SO ₂	SO ₂ C ₂ H ₅	H	H	SO ₂ C ₂ H ₅	H	H	H	SO ₂ C ₂ H ₅
8	SO ₂	SO ₂ C ₂ H ₅	H	H	SO ₂ C ₂ H ₅	SO ₂ C ₂ H ₅	H	H	SO ₂ C ₂ H ₅
9	SO ₂	SO ₂ ⁿ C ₃ H ₇	H	H	H	H	H	H	H
10	SO ₂	SO ₂ ⁿ C ₃ H ₇	H	H	H	H	H	H	SO ₂ ⁿ C ₃ H ₇
11	SO ₂	SO ₂ ⁿ C ₃ H ₇	H	H	SO ₂ ⁿ C ₃ H ₇	H	H	H	SO ₂ ⁿ C ₃ H ₇
12	SO ₂	SO ₂ ⁿ C ₃ H ₇	H	H	SO ₂ ⁿ C ₃ H ₇	SO ₂ ⁿ C ₃ H ₇	H	H	SO ₂ ⁿ C ₃ H ₇

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
13	SO ₂	SO ₂ ⁱ C ₃ H ₇	H	H	H	H	H	H	H
14	SO ₂	SO ₂ ⁱ C ₃ H ₉	H	H	H	H	H	H	SO ₂ ⁱ C ₃ H ₉
15	SO ₂	SO ₂ ⁱ C ₃ H ₉	H	H	SO ₂ ⁱ C ₃ H ₉	H	H	H	SO ₂ ⁱ C ₃ H ₉
16	SO ₂	SO ₂ ⁱ C ₃ H ₉	H	H	SO ₂ ⁱ C ₃ H ₉	SO ₂ ⁱ C ₃ H ₉	H	H	SO ₂ ⁱ C ₃ H ₉
17	SO ₂	SO ₂ ^v C ₄ H ₉	H	H	H	H	H	H	H
18	SO ₂	SO ₂ ^v C ₄ H ₉	H	H	H	H	H	H	SO ₂ ^v C ₄ H ₉
19	SO ₂	SO ₂ ^v C ₄ H ₉	H	H	SO ₂ ^v C ₄ H ₉	H	H	H	SO ₂ ^v C ₄ H ₉
20	SO ₂	SO ₂ ^v C ₄ H ₉	H	H	SO ₂ ^v C ₄ H ₉	SO ₂ ^v C ₄ H ₉	H	H	SO ₂ ^v C ₄ H ₉
21	SO ₂	SO ₂ ⁱ C ₄ H ₉	H	H	H	H	H	H	H
22	SO ₂	SO ₂ ⁱ C ₄ H ₉	H	H	H	H	H	H	SO ₂ ⁱ C ₄ H ₉
23	SO ₂	SO ₂ ⁱ C ₄ H ₉	H	H	SO ₂ ⁱ C ₄ H ₉	H	H	H	SO ₂ ⁱ C ₄ H ₉
24	SO ₂	SO ₂ ⁱ C ₄ H ₉	H	H	SO ₂ ⁱ C ₄ H ₉	SO ₂ ⁱ C ₄ H ₉	H	H	SO ₂ ⁱ C ₄ H ₉
25	SO ₂	SO ₂ ^s C ₄ H ₉	H	H	H	H	H	H	H
26	SO ₂	SO ₂ ^s C ₄ H ₉	H	H	H	H	H	H	SO ₂ ^s C ₄ H ₉
27	SO ₂	SO ₂ ^s C ₄ H ₉	H	H	SO ₂ ^s C ₄ H ₉	H	H	H	SO ₂ ^s C ₄ H ₉
28	SO ₂	SO ₂ ^s C ₄ H ₉	H	H	SO ₂ ^s C ₄ H ₉	SO ₂ ^s C ₄ H ₉	H	H	SO ₂ ^s C ₄ H ₉
29	SO ₂	SO ₂ ^t C ₄ H ₉	H	H	H	H	H	H	H
30	SO ₂	SO ₂ ^t C ₄ H ₉	H	H	H	H	H	H	SO ₂ ^t C ₄ H ₉
31	SO ₂	SO ₂ ^t C ₄ H ₉	H	H	SO ₂ ^t C ₄ H ₉	H	H	H	SO ₂ ^t C ₄ H ₉
32	SO ₂	SO ₂ ^t C ₄ H ₉	H	H	SO ₂ ^t C ₄ H ₉	SO ₂ ^t C ₄ H ₉	H	H	SO ₂ ^t C ₄ H ₉

Table 1] (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
33	SO ₂	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	H	H	H
34	SO ₂	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	H	H	SO ₂ CH ₂ CH=CH ₂
35	SO ₂	SO ₂ CH ₂ CH=CH ₂	H	H	SO ₂ CH ₂ CH=CH ₂	H	H	H	SO ₂ CH ₂ CH=CH ₂
36	SO ₂	SO ₂ CH ₂ CH=CH ₂	H	H	SO ₂ CH ₂ CH=CH ₂	H	H	H	SO ₂ CH ₂ CH=CH ₂
37	SO ₂	SO ₂ C ₆ H ₅	H	H	H	H	H	H	H
38	SO ₂	SO ₂ C ₆ H ₅	H	H	H	H	H	H	SO ₂ C ₆ H ₅
39	SO ₂	SO ₂ C ₆ H ₅	H	H	SO ₂ C ₆ H ₅	H	H	H	SO ₂ C ₆ H ₅
40	SO ₂	SO ₂ C ₆ H ₅	H	H	SO ₂ C ₆ H ₅	SO ₂ C ₆ H ₅	H	H	SO ₂ C ₆ H ₅
41	SO ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H
42	SO ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
43	SO ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
44	SO ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
45	SO ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H
46	SO ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
47	SO ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
48	SO ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
49	SO ₂	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	H	H	H
50	SO ₂	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅
51	SO ₂	SO ₂ CH ₂ C ₆ H ₅	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H	SO ₂ CH ₂ C ₆ H ₅
52	SO ₂	SO ₂ CH ₂ C ₆ H ₅	H	H	SO ₂ CH ₂ C ₆ H ₅	SO ₂ CH ₂ C ₆ H ₅	H	H	SO ₂ CH ₂ C ₆ H ₅

Table 1] (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
53	SO ₂	SO ₂ C ₆ H ₅	H	H	CH ₃	CH ₃	H	H	H
54	SO ₂	SO ₂ C ₆ H ₅	H	H	CH ₃	CH ₃	H	H	SO ₂ C ₆ H ₅
55	SO ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	H
56	SO ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
57	SO ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	H
58	SO ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
59	SO ₂	SO ₂ C ₆ H ₅	H	CH ₃	H	H	CH ₃	H	H
60	SO ₂	SO ₂ C ₆ H ₅	H	CH ₃	H	H	CH ₃	H	SO ₂ C ₆ H ₅
61	SO ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	H
62	SO ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	SO ₂ (p-CH ₃)C ₆ H ₄
63	SO ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	H
64	SO ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	SO ₂ (o-CH ₃)C ₆ H ₄
65	SO ₂	SO ₂ C ₆ H ₅	H	H	C1	C1	H	H	H
66	SO ₂	SO ₂ C ₆ H ₅	H	H	C1	C1	H	H	SO ₂ C ₆ H ₅
67	SO ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	C1	C1	H	H	H
68	SO ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	C1	C1	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
69	SO ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	C1	C1	H	H	H
70	SO ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	C1	C1	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
71	SO ₂	SO ₂ C ₆ H ₅	H	C1	H	H	C1	H	H
72	SO ₂	SO ₂ C ₆ H ₅	H	C1	H	H	C1	H	SO ₂ C ₆ H ₅

Table 1] (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
73	SO ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	Cl	H	H	Cl	H	H
74	SO ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	Cl	H	H	Cl	H	SO ₂ (p-CH ₃)C ₆ H ₄
75	SO ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	Cl	H	H	Cl	H	H
76	SO ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	Cl	H	H	Cl	H	SO ₂ (o-CH ₃)C ₆ H ₄
77	SO ₂	SO ₂ C ₆ H ₅	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H
78	SO ₂	SO ₂ C ₆ H ₅	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	SO ₂ C ₆ H ₅
79	SO ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H
80	SO ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
81	SO ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H
82	SO ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
83	SO ₂	SO ₂ -cyclohexyl	H	H	H	H	H	H	H
84	SO ₂	SO ₂ -cyclohexyl	H	H	H	H	H	H	SO ₂ -cyclohexyl
85	SO ₂	SO ₂ -cyclohexyl	H	H	SO ₂ -cyclohexyl	H	H	H	SO ₂ -cyclohexyl
86	SO ₂	SO ₂ -cyclohexyl	H	H	SO ₂ -cyclohexyl	SO ₂ -cyclohexyl	H	H	SO ₂ -cyclohexyl
87	SO	SO ₂ CH ₃	H	H	H	H	H	H	H
88	SO	SO ₂ CH ₃	H	H	H	H	H	H	SO ₂ CH ₃
89	SO	SO ₂ CH ₃	H	H	SO ₂ CH ₃	H	H	H	SO ₂ CH ₃
90	SO	SO ₂ CH ₃	H	H	SO ₂ CH ₃	SO ₂ CH ₃	H	H	SO ₂ CH ₃
91	SO	SO ₂ C ₂ H ₅	H	H	H	H	H	H	H
92	SO	SO ₂ C ₂ H ₅	H	H	H	H	H	H	SO ₂ C ₂ H ₅

Table 1] (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
93	S0	SO ₂ C ₂ H ₅	H	H	SO ₂ C ₂ H ₅	H	H	H	SO ₂ C ₂ H ₅
94	S0	SO ₂ C ₂ H ₅	H	H	SO ₂ C ₂ H ₆	SO ₂ C ₂ H ₅	H	H	SO ₂ C ₂ H ₅
95	S0	SO ₂ ⁿ C ₃ H ₇	H	H	H	H	H	H	H
96	S0	SO ₂ ⁿ C ₃ H ₇	H	H	H	H	H	H	SO ₂ ⁿ C ₃ H ₇
97	S0	SO ₂ ⁿ C ₃ H ₇	H	H	SO ₂ ⁿ C ₃ H ₇	H	H	H	SO ₂ ⁿ C ₃ H ₇
98	S0	SO ₂ ⁿ C ₃ H ₇	H	H	SO ₂ ⁿ C ₃ H ₇	SO ₂ ⁿ C ₃ H ₇	H	H	SO ₂ ⁿ C ₃ H ₇
99	S0	SO ₂ ⁱ C ₃ H ₇	H	H	H	H	H	H	H
100	S0	SO ₂ ⁱ C ₃ H ₈	H	H	H	H	H	H	SO ₂ ⁱ C ₃ H ₈
101	S0	SO ₂ ⁱ C ₃ H ₉	H	H	SO ₂ ⁱ C ₃ H ₉	H	H	H	SO ₂ ⁱ C ₃ H ₉
102	S0	SO ₂ ⁱ C ₃ H ₁₀	H	H	SO ₂ ⁱ C ₃ H ₉	SO ₂ ⁱ C ₃ H ₉	H	H	SO ₂ ⁱ C ₃ H ₉
103	S0	SO ₂ ⁿ C ₄ H ₉	H	H	H	H	H	H	H
104	S0	SO ₂ ⁿ C ₄ H ₉	H	H	H	H	H	H	SO ₂ ⁿ C ₄ H ₉
105	S0	SO ₂ ⁱ C ₄ H ₉	H	H	SO ₂ ⁿ C ₄ H ₉	H	H	H	SO ₂ ⁿ C ₄ H ₉
106	S0	SO ₂ ⁿ C ₄ H ₉	H	H	SO ₂ ⁿ C ₄ H ₉	SO ₂ ⁿ C ₄ H ₉	H	H	SO ₂ ⁿ C ₄ H ₉
107	S0	SO ₂ ⁱ C ₄ H ₉	H	H	H	H	H	H	H
108	S0	SO ₂ ⁱ C ₄ H ₉	H	H	H	H	H	H	SO ₂ ⁱ C ₄ H ₉
109	S0	SO ₂ ⁱ C ₄ H ₉	H	H	SO ₂ ⁱ C ₄ H ₉	H	H	H	SO ₂ ⁱ C ₄ H ₉
110	S0	SO ₂ ⁱ C ₄ H ₉	H	H	SO ₂ ⁱ C ₄ H ₉	SO ₂ ⁱ C ₄ H ₉	H	H	SO ₂ ⁱ C ₄ H ₉
111	S0	SO ₂ ^s C ₄ H ₉	H	H	H	H	H	H	H
112	S0	SO ₂ ^s C ₄ H ₉	H	H	H	H	H	H	SO ₂ ^s C ₄ H ₉

Table 1] (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
113	S0	SO ₂ ^s C ₄ H ₉	H	H	SO ₂ ^s C ₄ H ₉	H	H	H	SO ₂ ^s C ₄ H ₉
114	S0	SO ₂ ^t C ₄ H ₉	H	H	SO ₂ ^s C ₄ H ₉	SO ₂ ^s C ₄ H ₉	H	H	SO ₂ ^s C ₄ H ₉
115	S0	SO ₂ ^t C ₄ H ₉	H	H	H	H	H	H	H
116	S0	SO ₂ ^t C ₄ H ₉	H	H	H	H	H	H	SO ₂ ^t C ₄ H ₉
117	S0	SO ₂ ^t C ₄ H ₉	H	H	SO ₂ ^t C ₄ H ₉	H	H	H	SO ₂ ^t C ₄ H ₉
118	S0	SO ₂ ^t C ₄ H ₉	H	H	SO ₂ ^t C ₄ H ₉	SO ₂ ^t C ₄ H ₉	H	H	SO ₂ ^t C ₄ H ₉
119	S0	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	H	H	H
120	S0	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	H	H	SO ₂ CH ₂ CH=CH ₂
121	S0	SO ₂ CH ₂ CH=CH ₂	H	H	SO ₂ CH ₂ CH=CH ₂	H	H	H	SO ₂ CH ₂ CH=CH ₂
122	S0	SO ₂ CH ₂ CH=CH ₂	H	H	SO ₂ CH ₂ CH=CH ₂	SO ₂ CH ₂ CH=CH ₂	H	H	SO ₂ CH ₂ CH=CH ₂
123	S0	SO ₂ C ₆ H ₅	H	H	H	H	H	H	H
124	S0	SO ₂ C ₆ H ₅	H	H	H	H	H	H	SO ₂ C ₆ H ₅
125	S0	SO ₂ C ₆ H ₅	H	H	SO ₂ C ₆ H ₅	H	H	H	SO ₂ C ₆ H ₅
126	S0	SO ₂ C ₆ H ₅	H	H	SO ₂ C ₆ H ₅	SO ₂ C ₆ H ₅	H	H	SO ₂ C ₆ H ₅
127	S0	(p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H
128	S0	(p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
129	S0	(p-CH ₃)C ₆ H ₄	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
130	S0	(p-CH ₃)C ₆ H ₄	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
131	S0	(o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H
132	S0	(o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
133	S0	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
134	S0	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
135	S0	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	H	H	H
136	S0	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅
137	S0	SO ₂ CH ₂ C ₆ H ₅	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H	SO ₂ CH ₂ C ₆ H ₅
138	S0	SO ₂ CH ₂ C ₆ H ₅	H	H	SO ₂ CH ₂ C ₆ H ₅	SO ₂ CH ₂ C ₆ H ₅	H	H	SO ₂ CH ₂ C ₆ H ₅
139	S0	SO ₂ C ₆ H ₅	H	H	CH ₃	CH ₃	H	H	H
140	S0	SO ₂ C ₆ H ₅	H	H	CH ₃	CH ₃	H	H	SO ₂ C ₆ H ₅
141	S0	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	H
142	S0	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
143	S0	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	H
144	S0	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
145	S0	SO ₂ C ₆ H ₅	H	CH ₃	H	H	CH ₃	H	H
146	S0	SO ₂ C ₆ H ₅	H	CH ₃	H	H	CH ₃	H	SO ₂ C ₆ H ₅
147	S0	SO ₂ (p-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	H
148	S0	SO ₂ (p-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	SO ₂ (p-CH ₃)C ₆ H ₄
149	S0	SO ₂ (o-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	H
150	S0	SO ₂ (o-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	SO ₂ (o-CH ₃)C ₆ H ₄
151	S0	SO ₂ C ₆ H ₅	H	H	Cl	Cl	H	H	H
152	S0	SO ₂ C ₆ H ₅	H	H	Cl	Cl	H	H	SO ₂ C ₆ H ₅

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
153	S0 ₂ (p-CH ₃)C ₆ H ₄	H	H	C1	C1	H	H	H	H	H
154	S0 ₂ (p-CH ₃)C ₆ H ₄	H	H	C1	C1	H	H	SO ₂ (p-CH ₃)C ₆ H ₄		
155	S0 ₂ (o-CH ₃)C ₆ H ₄	H	H	C1	C1	H	H	H	H	H
156	S0 ₂ (o-CH ₃)C ₆ H ₄	H	H	C1	C1	H	H	SO ₂ (o-CH ₃)C ₆ H ₄		
157	S0 ₂ C ₆ H ₅	H	C1	H	H	C1	H	H	H	H
158	S0 ₂ C ₆ H ₅	H	C1	H	H	C1	H	SO ₂ C ₆ H ₅		
159	S0 ₂ (p-CH ₃)C ₆ H ₄	H	C1	H	H	C1	H	H	H	H
160	S0 ₂ (p-CH ₃)C ₆ H ₄	H	C1	H	H	C1	H	SO ₂ (p-CH ₃)C ₆ H ₄		
161	S0 ₂ (o-CH ₃)C ₆ H ₄	H	C1	H	H	C1	H	H	H	H
162	S0 ₂ (o-CH ₃)C ₆ H ₄	H	C1	H	H	C1	H	SO ₂ (o-CH ₃)C ₆ H ₄		
163	S0 ₂ C ₆ H ₅	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	H	H
164	S0 ₂ C ₆ H ₅	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	SO ₂ C ₆ H ₅		
165	S0 ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	H	H
166	S0 ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	SO ₂ (p-CH ₃)C ₆ H ₄		
167	S0 ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	H	H
168	S0 ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	SO ₂ (o-CH ₃)C ₆ H ₄		
169	S0 ₂ -cyclohexyl	H	H	H	H	H	H	H	H	H
170	S0 ₂ -cyclohexyl	H	H	H	H	H	H	H	H	SO ₂ -cyclohexyl
171	S0 ₂ -cyclohexyl	H	H	SO ₂ -cyclohexyl	H	H	H	H	H	SO ₂ -cyclohexyl
172	S0 ₂ -cyclohexyl	H	H	SO ₂ -cyclohexyl	H	H	H	H	H	SO ₂ -cyclohexyl

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
173	S	SO ₂ CH ₃	H	H	H	H	H	H	H
174	S	SO ₂ CH ₃	H	H	H	H	H	H	SO ₂ CH ₃
175	S	SO ₂ CH ₃	H	H	SO ₂ CH ₃	H	H	H	SO ₂ CH ₃
176	S	SO ₂ CH ₃	H	H	SO ₂ CH ₃	SO ₂ CH ₃	H	H	SO ₂ CH ₃
177	S	SO ₂ C ₆ H ₅	H	H	H	H	H	H	H
178	S	SO ₂ C ₂ H ₅	H	H	H	H	H	H	SO ₂ C ₂ H ₅
179	S	SO ₂ C ₂ H ₅	H	H	SO ₂ C ₂ H ₅	H	H	H	SO ₂ C ₂ H ₅
180	S	SO ₂ C ₂ H ₅	H	H	SO ₂ C ₂ H ₅	SO ₂ C ₂ H ₅	H	H	SO ₂ C ₂ H ₅
181	S	SO ₂ ⁿ C ₃ H ₇	H	H	H	H	H	H	H
182	S	SO ₂ ⁿ C ₃ H ₇	H	H	H	H	H	H	SO ₂ ⁿ C ₃ H ₇
183	S	SO ₂ ⁿ C ₃ H ₇	H	H	SO ₂ ⁿ C ₃ H ₇	H	H	H	SO ₂ ⁿ C ₃ H ₇
184	S	SO ₂ ⁿ C ₃ H ₇	H	H	SO ₂ ⁿ C ₃ H ₇	SO ₂ ⁿ C ₃ H ₇	H	H	SO ₂ ⁿ C ₃ H ₇
185	S	SO ₂ ⁱ C ₃ H ₉	H	H	H	H	H	H	H
186	S	SO ₂ ⁱ C ₃ H ₉	H	H	H	H	H	H	SO ₂ ⁱ C ₃ H ₉
187	S	SO ₂ ⁱ C ₃ H ₉	H	H	SO ₂ ⁱ C ₃ H ₉	H	H	H	SO ₂ ⁱ C ₃ H ₉
188	S	SO ₂ ⁱ C ₃ H ₁₀	H	H	SO ₂ ⁱ C ₃ H ₉	SO ₂ ⁱ C ₃ H ₉	H	H	SO ₂ ⁱ C ₃ H ₉
189	S	SO ₂ ⁿ C ₄ H ₉	H	H	H	H	H	H	H
190	S	SO ₂ ⁿ C ₄ H ₉	H	H	H	H	H	H	SO ₂ ⁿ C ₄ H ₉
191	S	SO ₂ ⁿ C ₄ H ₉	H	H	SO ₂ ⁿ C ₄ H ₉	H	H	H	SO ₂ ⁿ C ₄ H ₉
192	S	SO ₂ ⁿ C ₄ H ₉	H	H	SO ₂ ⁿ C ₄ H ₉	SO ₂ ⁿ C ₄ H ₉	H	H	SO ₂ ⁿ C ₄ H ₉

Table 11 (Continued)

Compound №.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
193	S	SO ₂ ^t C ₄ H ₉	H	H	H	H	H	H	H
194	S	SO ₂ ^t C ₄ H ₉	H	H	H	H	H	H	SO ₂ ^t C ₄ H ₉
195	S	SO ₂ ^t C ₄ H ₉	H	H	SO ₂ ^t C ₄ H ₉	H	H	H	SO ₂ ^t C ₄ H ₉
196	S	SO ₂ ^t C ₄ H ₉	H	H	SO ₂ ^t C ₄ H ₉	H	H	H	SO ₂ ^t C ₄ H ₉
197	S	SO ₂ ^s C ₄ H ₉	H	H	H	H	H	H	H
198	S	SO ₂ ^s C ₄ H ₉	H	H	H	H	H	H	SO ₂ ^s C ₄ H ₉
199	S	SO ₂ ^s C ₄ H ₉	H	H	SO ₂ ^s C ₄ H ₉	H	H	H	SO ₂ ^s C ₄ H ₉
200	S	SO ₂ ^s C ₄ H ₉	H	H	SO ₂ ^s C ₄ H ₉	H	H	H	SO ₂ ^s C ₄ H ₉
201	S	SO ₂ ^t C ₄ H ₉	H	H	H	H	H	H	H
202	S	SO ₂ ^t C ₄ H ₉	H	H	H	H	H	H	SO ₂ ^t C ₄ H ₉
203	S	SO ₂ ^t C ₄ H ₉	H	H	SO ₂ ^t C ₄ H ₉	H	H	H	SO ₂ ^t C ₄ H ₉
204	S	SO ₂ ^t C ₄ H ₉	H	H	SO ₂ ^t C ₄ H ₉	H	H	H	SO ₂ ^t C ₄ H ₉
205	S	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	H	H	H
206	S	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	H	H	SO ₂ CH ₂ CH=CH ₂
207	S	SO ₂ CH ₂ CH=CH ₂	H	H	SO ₂ CH ₂ CH=CH ₂	H	H	H	SO ₂ CH ₂ CH=CH ₂
208	S	SO ₂ CH ₂ CH=CH ₂	H	H	SO ₂ CH ₂ CH=CH ₂	SO ₂ CH ₂ CH=CH ₂	H	H	SO ₂ CH ₂ CH=CH ₂
209	S	SO ₂ C ₆ H ₅	H	H	H	H	H	H	H
210	S	SO ₂ C ₆ H ₅	H	H	H	H	H	H	SO ₂ C ₆ H ₅
211	S	SO ₂ C ₆ H ₅	H	H	SO ₂ C ₆ H ₅	H	H	H	SO ₂ C ₆ H ₅
212	S	SO ₂ C ₆ H ₅	H	H	SO ₂ C ₆ H ₅	SO ₂ C ₆ H ₅	H	H	SO ₂ C ₆ H ₅

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
213	S	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H	H
214	S	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄		
215	S	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	SO ₂ (p-CH ₃)C ₆ H ₄		
216	S	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	SO ₂ (p-CH ₃)C ₆ H ₄		
217	S	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H	H
218	S	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	
219	S	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	SO ₂ (o-CH ₃)C ₆ H ₄		
220	S	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	SO ₂ (o-CH ₃)C ₆ H ₄		
221	S	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	H	H	H	H
222	S	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅	
223	S	SO ₂ CH ₂ C ₆ H ₅	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	SO ₂ CH ₂ C ₆ H ₅		
224	S	SO ₂ CH ₂ C ₆ H ₅	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	SO ₂ CH ₂ C ₆ H ₅		
225	S	SO ₂ C ₆ H ₅	H	H	CH ₃	CH ₃	CH ₃	H	H	SO ₂ CH ₂ C ₆ H ₅
226	S	SO ₂ C ₆ H ₅	H	H	CH ₃	CH ₃	CH ₃	H	H	SO ₂ CH ₂ C ₆ H ₅
227	S	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	CH ₃	H	H	SO ₂ CH ₂ C ₆ H ₅
228	S	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	CH ₃	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
229	S	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	CH ₃	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
230	S	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	CH ₃	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
231	S	SO ₂ C ₆ H ₅	H	CH ₃	H	H	CH ₃	H	H	SO ₂ C ₆ H ₅
232	S	SO ₂ C ₆ H ₅	H	CH ₃	H	H	CH ₃	H	H	SO ₂ C ₆ H ₅

Table 1] (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
233	S	SO ₂ (p-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	H	H
234	S	SO ₂ (p-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	SO ₂ (p-CH ₃)C ₆ H ₄	
235	S	SO ₂ (o-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	H	H
236	S	SO ₂ (o-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	SO ₂ (o-CH ₃)C ₆ H ₄	
237	S	SO ₂ C ₆ H ₅	H	H	Cl	Cl	H	H	H	H
238	S	SO ₂ C ₆ H ₅	H	H	Cl	Cl	H	H	H	SO ₂ C ₆ H ₅
239	S	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	Cl	Cl	H	H	H	H
240	S	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	Cl	Cl	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	
241	S	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	Cl	Cl	H	H	H	H
242	S	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	Cl	Cl	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	
243	S	SO ₂ C ₆ H ₅	H	Cl	H	H	Cl	H	H	H
244	S	SO ₂ C ₆ H ₅	H	Cl	H	H	Cl	H	H	SO ₂ C ₆ H ₅
245	S	SO ₂ (p-CH ₃)C ₆ H ₄	H	Cl	H	H	Cl	H	H	H
246	S	SO ₂ (p-CH ₃)C ₆ H ₄	H	Cl	H	H	Cl	H	SO ₂ (p-CH ₃)C ₆ H ₄	
247	S	SO ₂ (o-CH ₃)C ₆ H ₄	H	Cl	H	H	Cl	H	H	H
248	S	SO ₂ (o-CH ₃)C ₆ H ₄	H	Cl	H	H	Cl	H	SO ₂ (o-CH ₃)C ₆ H ₄	
249	S	SO ₂ C ₆ H ₅	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	H
250	S	SO ₂ C ₆ H ₅	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	SO ₂ C ₆ H ₅	
251	S	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	H
252	S	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	

Table 1】(Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
253	S	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H
254	S	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
255	S	SO ₂ -cyclohexyl	H	H	H	H	H	H	H
256	S	SO ₂ -cyclohexyl	H	H	H	H	H	H	SO ₂ -cyclohexyl
257	S	SO ₂ -cyclohexyl	H	H	SO ₂ -cyclohexyl	H	H	H	SO ₂ -cyclohexyl
258	S	SO ₂ -cyclohexyl	H	H	SO ₂ -cyclohexyl	SO ₂ -cyclohexyl	H	H	SO ₂ -cyclohexyl
259	0	SO ₂ CH ₃	H	H	H	H	H	H	H
260	0	SO ₂ CH ₃	H	H	H	H	H	H	SO ₂ CH ₃
261	0	SO ₂ CH ₃	H	H	SO ₂ CH ₃	H	H	H	SO ₂ CH ₃
262	0	SO ₂ CH ₃	H	H	SO ₂ CH ₃	SO ₂ CH ₃	H	H	SO ₂ CH ₃
263	0	SO ₂ C ₂ H ₅	H	H	H	H	H	H	H
264	0	SO ₂ C ₂ H ₅	H	H	H	H	H	H	SO ₂ C ₂ H ₅
265	0	SO ₂ C ₂ H ₅	H	H	SO ₂ C ₂ H ₅	H	H	H	SO ₂ C ₂ H ₅
266	0	SO ₂ C ₂ H ₅	H	H	SO ₂ C ₂ H ₅	SO ₂ C ₂ H ₅	H	H	SO ₂ C ₂ H ₅
267	0	SO ₂ ⁿ C ₃ H ₇	H	H	H	H	H	H	H
268	0	SO ₂ ⁿ C ₃ H ₇	H	H	H	H	H	H	SO ₂ ⁿ C ₃ H ₇
269	0	SO ₂ ⁿ C ₃ H ₇	H	H	SO ₂ ⁿ C ₃ H ₇	H	H	H	SO ₂ ⁿ C ₃ H ₇
270	0	SO ₂ ⁿ C ₃ H ₇	H	H	SO ₂ ⁿ C ₃ H ₇	SO ₂ ⁿ C ₃ H ₇	H	H	SO ₂ ⁿ C ₃ H ₇
271	0	SO ₂ ⁿ C ₃ H ₇	H	H	H	H	H	H	H
272	0	SO ₂ ⁿ C ₃ H ₈	H	H	H	H	H	H	SO ₂ ⁿ C ₃ H ₈

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
273	0	SO ₂ ^l C ₃ H ₉	H	H	SO ₂ ^l C ₃ H ₉	H	H	H	SO ₂ ^l C ₃ H ₉
274	0	SO ₂ ⁿ C ₃ H ₉	H	H	SO ₂ ^l C ₃ H ₉	SO ₂ ^l C ₃ H ₉	H	H	SO ₂ ^l C ₃ H ₉
275	0	SO ₂ ⁿ C ₄ H ₉	H	H	H	H	H	H	H
276	0	SO ₂ ⁿ C ₄ H ₉	H	H	H	H	H	H	SO ₂ ⁿ C ₄ H ₉
277	0	SO ₂ ⁿ C ₄ H ₉	H	H	SO ₂ ⁿ C ₄ H ₉	H	H	H	SO ₂ ⁿ C ₄ H ₉
278	0	SO ₂ ⁿ C ₄ H ₉	H	H	SO ₂ ⁿ C ₄ H ₉	SO ₂ ⁿ C ₄ H ₉	H	H	SO ₂ ⁿ C ₄ H ₉
279	0	SO ₂ ^l C ₄ H ₉	H	H	H	H	H	H	H
280	0	SO ₂ ^l C ₄ H ₉	H	H	H	H	H	H	SO ₂ ^l C ₄ H ₉
281	0	SO ₂ ^l C ₄ H ₉	H	H	SO ₂ ^l C ₄ H ₉	H	H	H	SO ₂ ^l C ₄ H ₉
282	0	SO ₂ ^l C ₄ H ₉	H	H	SO ₂ ^l C ₄ H ₉	SO ₂ ^l C ₄ H ₉	H	H	SO ₂ ^l C ₄ H ₉
283	0	SO ₂ ^s C ₄ H ₉	H	H	H	H	H	H	H
284	0	SO ₂ ^s C ₄ H ₉	H	H	H	H	H	H	SO ₂ ^s C ₄ H ₉
285	0	SO ₂ ^s C ₄ H ₉	H	H	SO ₂ ^s C ₄ H ₉	H	H	H	SO ₂ ^s C ₄ H ₉
286	0	SO ₂ ^s C ₄ H ₉	H	H	SO ₂ ^s C ₄ H ₉	SO ₂ ^s C ₄ H ₉	H	H	SO ₂ ^s C ₄ H ₉
287	0	SO ₂ ^l C ₄ H ₉	H	H	H	H	H	H	H
288	0	SO ₂ ^l C ₄ H ₉	H	H	H	H	H	H	SO ₂ ^l C ₄ H ₉
289	0	SO ₂ ^l C ₄ H ₉	H	H	SO ₂ ^l C ₄ H ₉	H	H	H	SO ₂ ^l C ₄ H ₉
290	0	SO ₂ ^l C ₄ H ₉	H	H	SO ₂ ^l C ₄ H ₉	SO ₂ ^l C ₄ H ₉	H	H	SO ₂ ^l C ₄ H ₉
291	0	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	H	H	H
292	0	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	H	H	SO ₂ CH ₂ CH=CH ₂

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
293	0	SO ₂ CH ₂ CH=CH ₂	H	H	SO ₂ CH ₂ CH=CH ₂	H	H	H	SO ₂ CH ₂ CH=CH ₂
294	0	SO ₂ CH ₂ CH=CH ₂	H	H	SO ₂ CH ₂ CH=CH ₂	SO ₂ CH ₂ CH=CH ₂	H	H	SO ₂ CH ₂ CH=CH ₂
295	0	SO ₂ C ₆ H ₅	H	H	H	H	H	H	H
296	0	SO ₂ C ₆ H ₅	H	H	H	H	H	H	SO ₂ C ₆ H ₅
297	0	SO ₂ C ₆ H ₅	H	H	SO ₂ C ₆ H ₅	H	H	H	SO ₂ C ₆ H ₅
298	0	SO ₂ C ₆ H ₅	H	H	SO ₂ C ₆ H ₅	SO ₂ C ₆ H ₅	H	H	SO ₂ C ₆ H ₅
299	0	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H
300	0	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
301	0	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
302	0	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
303	0	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H
304	0	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
305	0	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
306	0	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
307	0	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	H	H	H
308	0	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅
309	0	SO ₂ CH ₂ C ₆ H ₅	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H	SO ₂ CH ₂ C ₆ H ₅
310	0	SO ₂ CH ₂ C ₆ H ₅	H	H	SO ₂ CH ₂ C ₆ H ₅	SO ₂ CH ₂ C ₆ H ₅	H	H	SO ₂ CH ₂ C ₆ H ₅
311	0	SO ₂ C ₆ H ₅	H	H	CH ₃	CH ₃	H	H	H
312	0	SO ₂ C ₆ H ₅	H	H	CH ₃	CH ₃	H	H	SO ₂ C ₆ H ₅

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
313	0	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	H
314	0	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
315	0	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	H
316	0	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
317	0	SO ₂ C ₆ H ₅	H	CH ₃	H	CH ₃	H	H	H
318	0	SO ₂ C ₆ H ₅	H	CH ₃	H	CH ₃	H	H	SO ₂ C ₆ H ₅
319	0	SO ₂ (p-CH ₃)C ₆ H ₄	H	CH ₃	H	CH ₃	H	H	H
320	0	SO ₂ (p-CH ₃)C ₆ H ₄	H	CH ₃	H	CH ₃	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
321	0	SO ₂ (o-CH ₃)C ₆ H ₄	H	CH ₃	H	CH ₃	H	H	H
322	0	SO ₂ (o-CH ₃)C ₆ H ₄	H	CH ₃	H	CH ₃	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
323	0	SO ₂ C ₆ H ₅	H	H	C ₁	C ₁	H	H	H
324	0	SO ₂ C ₆ H ₅	H	H	C ₁	C ₁	H	H	SO ₂ C ₆ H ₅
325	0	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	C ₁	C ₁	H	H	H
326	0	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	C ₁	C ₁	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
327	0	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	C ₁	C ₁	H	H	H
328	0	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	C ₁	C ₁	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
329	0	SO ₂ C ₆ H ₅	H	C ₁	H	H	C ₁	H	H
330	0	SO ₂ (p-CH ₃)C ₆ H ₄	H	C ₁	H	H	C ₁	H	SO ₂ C ₆ H ₅
331	0	SO ₂ (p-CH ₃)C ₆ H ₄	H	C ₁	H	H	C ₁	H	H
332	0	SO ₂ (p-CH ₃)C ₆ H ₄	H	C ₁	H	H	C ₁	H	SO ₂ (p-CH ₃)C ₆ H ₄

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
333	0	SO ₂ (o-CH ₃)C ₆ H ₄	H	Cl	H	H	C1	H	H	H
334	0	SO ₂ (o-CH ₃)C ₆ H ₄	H	Cl	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	C1	H	SO ₂ (o-CH ₃)C ₆ H ₄
335	0	SO ₂ C ₆ H ₅	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	H
336	0	SO ₂ C ₆ H ₅	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	SO ₂ C ₆ H ₅	
337	0	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	H
338	0	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	
339	0	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	H
340	0	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	
341	0	SO ₂ -cyclohexyl	H	H	H	H	H	H	H	H
342	0	SO ₂ -cyclohexyl	H	H	H	H	H	H	H	SO ₂ -cyclohexyl
343	0	SO ₂ -cyclohexyl	H	H	SO ₂ -cyclohexyl	H	H	H	H	SO ₂ -cyclohexyl
344	0	SO ₂ -cyclohexyl	H	H	SO ₂ -cyclohexyl	SO ₂ -cyclohexyl	H	H	H	SO ₂ -cyclohexyl
345	CO	SO ₂ CH ₃	H	H	H	H	H	H	H	H
346	CO	SO ₂ CH ₃	H	H	H	H	H	H	H	SO ₂ CH ₃
347	CO	SO ₂ CH ₃	H	H	SO ₂ CH ₃	H	H	H	H	SO ₂ CH ₃
348	CO	SO ₂ CH ₃	H	H	SO ₂ CH ₃	SO ₂ CH ₃	H	H	H	SO ₂ CH ₃
349	CO	SO ₂ C ₂ H ₅	H	H	H	H	H	H	H	H
350	CO	SO ₂ C ₂ H ₅	H	H	H	H	H	H	H	SO ₂ C ₂ H ₅
351	CO	SO ₂ C ₂ H ₅	H	H	SO ₂ C ₂ H ₅	H	H	H	H	SO ₂ C ₂ H ₅
352	CO	SO ₂ C ₂ H ₅	H	H	SO ₂ C ₂ H ₅	SO ₂ C ₂ H ₅	H	H	H	SO ₂ C ₂ H ₅

Table II (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₆	R ₇	R ₈	R ₉
353	CO	SO ₂ ⁿ C ₃ H ₇	H	H	H	H	H	H
354	CO	SO ₂ ⁿ C ₃ H ₇	H	H	H	H	H	SO ₂ ⁿ C ₃ H ₇
355	CO	SO ₂ ⁿ C ₃ H ₇	H	H	SO ₂ ⁿ C ₃ H ₇	H	H	SO ₂ ⁿ C ₃ H ₇
356	CO	SO ₂ ⁿ C ₃ H ₇	H	H	SO ₂ ⁿ C ₃ H ₇	H	H	SO ₂ ⁿ C ₃ H ₇
357	CO	SO ₂ ⁱ C ₃ H ₇	H	H	H	H	H	H
358	CO	SO ₂ ⁱ C ₃ H ₆	H	H	H	H	H	SO ₂ ⁱ C ₃ H ₆
359	CO	SO ₂ ⁱ C ₃ H ₉	H	H	SO ₂ ⁱ C ₃ H ₉	H	H	SO ₂ ⁱ C ₃ H ₉
360	CO	SO ₂ ⁱ C ₃ H ₁₀	H	H	SO ₂ ⁱ C ₃ H ₁₀	H	H	SO ₂ ⁱ C ₃ H ₁₀
361	CO	SO ₂ ⁿ C ₄ H ₉	H	H	H	H	H	H
362	CO	SO ₂ ⁿ C ₄ H ₉	H	H	H	H	H	SO ₂ ⁿ C ₄ H ₉
363	CO	SO ₂ ⁿ C ₄ H ₉	H	H	SO ₂ ⁿ C ₄ H ₉	H	H	SO ₂ ⁿ C ₄ H ₉
364	CO	SO ₂ ⁿ C ₄ H ₉	H	H	SO ₂ ⁿ C ₄ H ₉	H	H	SO ₂ ⁿ C ₄ H ₉
365	CO	SO ₂ ⁱ C ₄ H ₉	H	H	H	H	H	H
366	CO	SO ₂ ⁱ C ₄ H ₉	H	H	H	H	H	SO ₂ ⁱ C ₄ H ₉
367	CO	SO ₂ ⁱ C ₄ H ₉	H	H	SO ₂ ⁱ C ₄ H ₉	H	H	SO ₂ ⁱ C ₄ H ₉
368	CO	SO ₂ ⁱ C ₄ H ₉	H	H	SO ₂ ⁱ C ₄ H ₉	H	H	SO ₂ ⁱ C ₄ H ₉
369	CO	SO ₂ ^s C ₄ H ₉	H	H	H	H	H	H
370	CO	SO ₂ ^s C ₄ H ₉	H	H	H	H	H	SO ₂ ^s C ₄ H ₉
371	CO	SO ₂ ^s C ₄ H ₉	H	H	SO ₂ ^s C ₄ H ₉	H	H	SO ₂ ^s C ₄ H ₉
372	CO	SO ₂ ^s C ₄ H ₉	H	H	SO ₂ ^s C ₄ H ₉	H	H	SO ₂ ^s C ₄ H ₉

Table 1】(Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
373	CO	SO ₂ C ₄ H ₉	H	H	H	H	H	H	H	H
374	CO	SO ₂ C ₄ H ₉	H	H	H	H	H	H	H	SO ₂ ^t C ₆ H ₅
375	CO	SO ₂ ^t C ₄ H ₉	H	H	SO ₂ ^t C ₄ H ₉	H	H	H	H	SO ₂ ^t C ₆ H ₅
376	CO	SO ₂ ^t C ₄ H ₉	H	H	SO ₂ ^t C ₄ H ₉	SO ₂ ^t C ₄ H ₉	H	H	H	SO ₂ ^t C ₆ H ₅
377	CO	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	H	H	H	H
378	CO	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	H	H	H	SO ₂ CH ₂ Cl=CH ₂
379	CO	SO ₂ CH ₂ CH=CH ₂	H	H	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	SO ₂ CH ₂ Cl=CH ₂
380	CO	SO ₂ CH ₂ CH=CH ₂	H	H	SO ₂ CH ₂ CH=CH ₂	SO ₂ CH ₂ CH=CH ₂	H	H	H	SO ₂ CH ₂ CH=CH ₂
381	CO	SO ₂ C ₆ H ₅	H	H	H	H	H	H	H	H
382	CO	SO ₂ C ₆ H ₅	H	H	H	H	H	H	H	SO ₂ C ₆ H ₅
383	CO	SO ₂ C ₆ H ₅	H	H	SO ₂ C ₆ H ₅	H	H	H	H	SO ₂ C ₆ H ₅
384	CO	SO ₂ C ₆ H ₅	H	H	SO ₂ C ₆ H ₅	SO ₂ C ₆ H ₅	H	H	H	SO ₂ C ₆ H ₅
385	CO	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H	H
386	CO	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
387	CO	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
388	CO	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
389	CO	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H	H
390	CO	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
391	CO	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
392	CO	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
393	CO	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	H	H	H	H
394	CO	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅
395	CO	SO ₂ CH ₂ C ₆ H ₅	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅
396	CO	SO ₂ CH ₂ C ₆ H ₅	H	H	SO ₂ CH ₂ C ₆ H ₅	SO ₂ CH ₂ C ₆ H ₅	H	H	H	SO ₂ CH ₂ C ₆ H ₅
397	CO	SO ₂ C ₆ H ₅	H	CH ₃	CH ₃	CH ₃	H	H	H	H
398	CO	SO ₂ C ₆ H ₅	H	H	CH ₃	CH ₃	H	H	H	SO ₂ C ₆ H ₅
399	CO	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	H	H
400	CO	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
401	CO	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	H	H
402	CO	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
403	CO	SO ₂ C ₆ H ₅	H	CH ₃	H	H	H	CH ₃	H	H
404	CO	SO ₂ C ₆ H ₅	H	CH ₃	H	H	H	CH ₃	H	SO ₂ C ₆ H ₅
405	CO	SO ₂ (p-CH ₃)C ₆ H ₄	H	CH ₃	H	H	H	CH ₃	H	H
406	CO	SO ₂ (p-CH ₃)C ₆ H ₄	H	CH ₃	H	H	H	CH ₃	H	SO ₂ (p-CH ₃)C ₆ H ₄
407	CO	SO ₂ (o-CH ₃)C ₆ H ₄	H	CH ₃	H	H	H	CH ₃	H	H
408	CO	SO ₂ (o-CH ₃)C ₆ H ₄	H	CH ₃	H	H	H	CH ₃	H	SO ₂ (o-CH ₃)C ₆ H ₄
409	CO	SO ₂ C ₆ H ₅	H	H	C ₁	C ₁	H	H	H	H
410	CO	SO ₂ C ₆ H ₅	H	H	C ₁	C ₁	C ₁	H	H	SO ₂ C ₆ H ₅
411	CO	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	C ₁	C ₁	C ₁	H	H	H
412	CO	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	C ₁	C ₁	C ₁	H	H	SO ₂ (p-CH ₃)C ₆ H ₄

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
413	C0	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	Cl	Cl	H	H	H	H
414	C0	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	Cl	Cl	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	
415	C0	SO ₂ C ₆ H ₅	H	Cl	H	H	C1	H	H	
416	C0	SO ₂ C ₆ H ₅	H	Cl	H	H	C1	H		SO ₂ C ₆ H ₅
417	C0	SO ₂ (p-CH ₃)C ₆ H ₄	H	Cl	H	H	C1	H	H	
418	C0	SO ₂ (p-CH ₃)C ₆ H ₄	H	Cl	H	H	C1	H	SO ₂ (p-CH ₃)C ₆ H ₄	
419	C0	SO ₂ (o-CH ₃)C ₆ H ₄	H	Cl	H	H	C1	H	H	
420	C0	SO ₂ (o-CH ₃)C ₆ H ₄	H	Cl	H	H	C1	H	SO ₂ (o-CH ₃)C ₆ H ₄	
421	C0	SO ₂ C ₆ H ₅	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	H
422	C0	SO ₂ C ₆ H ₅	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H		SO ₂ C ₆ H ₅
423	C0	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	
424	C0	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	
425	C0	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	
426	C0	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	
427	C0	SO ₂ -cyclohexyl	H	H	H	H	H	H	H	H
428	C0	SO ₂ -cyclohexyl	H	H	H	H	H	H	SO ₂ -cyclohexyl	
429	C0	SO ₂ -cyclohexyl	H	H	SO ₂ -cyclohexyl	H	H	H	SO ₂ -cyclohexyl	
430	C0	SO ₂ -cyclohexyl	H	H	SO ₂ -cyclohexyl	SO ₂ -cyclohexyl	H	H	SO ₂ -cyclohexyl	
431	CH ₂	SO ₂ CH ₃	H	H	H	H	H	H	H	
432	CH ₂	SO ₂ CH ₃	H	H	H	H	H	H	SO ₂ CH ₃	

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
433	CH ₂	SO ₂ CH ₃	H	H	SO ₂ CH ₃	H	H	H	SO ₂ CH ₃
434	CH ₂	SO ₂ CH ₃	H	H	SO ₂ CH ₃	H	H	H	SO ₂ CH ₃
435	CH ₂	SO ₂ C ₂ H ₅	H	H	H	H	H	H	H
436	CH ₂	SO ₂ C ₄ H ₉	H	H	H	H	H	H	SO ₂ C ₂ H ₅
437	CH ₂	SO ₂ C ₂ H ₅	H	H	SO ₂ C ₂ H ₆	H	H	H	SO ₂ C ₂ H ₆
438	CH ₂	SO ₂ C ₂ H ₅	H	H	SO ₂ C ₂ H ₆	SO ₂ C ₂ H ₅	H	H	SO ₂ C ₂ H ₅
439	CH ₂	SO ₂ ⁿ C ₂ H ₇	H	H	H	H	H	H	H
440	CH ₂	SO ₂ ⁿ C ₃ H ₇	H	H	H	H	H	H	SO ₂ ⁿ C ₃ H ₇
441	CH ₂	SO ₂ ⁿ C ₃ H ₇	H	H	SO ₂ ⁿ C ₃ H ₇	H	H	H	SO ₂ ⁿ C ₃ H ₇
442	CH ₂	SO ₂ ⁿ C ₃ H ₇	H	H	SO ₂ ⁿ C ₃ H ₇	SO ₂ ⁿ C ₃ H ₇	H	H	SO ₂ ⁿ C ₃ H ₇
443	CH ₂	SO ₂ ⁱ C ₃ H ₇	H	H	H	H	H	H	H
444	CH ₂	SO ₂ ⁱ C ₃ H ₈	H	H	H	H	H	H	SO ₂ ⁱ C ₃ H ₈
445	CH ₂	SO ₂ ⁱ C ₄ H ₉	H	H	SO ₂ ⁱ C ₃ H ₈	H	H	H	SO ₂ ⁱ C ₃ H ₈
446	CH ₂	SO ₂ ⁱ C ₄ H ₁₀	H	H	SO ₂ ⁱ C ₃ H ₈	SO ₂ ⁱ C ₃ H ₈	H	H	SO ₂ ⁱ C ₃ H ₈
447	CH ₂	SO ₂ ⁿ C ₃ H ₈	H	H	H	H	H	H	H
448	CH ₂	SO ₂ ⁿ C ₄ H ₉	H	H	H	H	H	H	SO ₂ ⁿ C ₄ H ₉
449	CH ₂	SO ₂ ⁿ C ₄ H ₉	H	H	SO ₂ ⁿ C ₄ H ₉	H	H	H	SO ₂ ⁿ C ₄ H ₉
450	CH ₂	SO ₂ ⁿ C ₄ H ₉	H	H	SO ₂ ⁿ C ₄ H ₉	SO ₂ ⁿ C ₄ H ₉	H	H	SO ₂ ⁿ C ₄ H ₉
451	CH ₂	SO ₂ ⁱ C ₄ H ₉	H	H	H	H	H	H	H
452	CH ₂	SO ₂ ⁱ C ₄ H ₉	H	H	H	H	H	H	SO ₂ ⁱ C ₄ H ₉

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
453	CH ₂	SO ₂ ^t C ₄ H ₉	H	H	SO ₂ ⁱ C ₄ H ₉	H	H	H	SO ₂ ^j C ₄ H ₉
454	CH ₂	SO ₂ ^t C ₄ H ₉	H	H	SO ₂ ⁱ C ₄ H ₉	SO ₂ ^s C ₄ H ₉	H	H	SO ₂ ^k C ₄ H ₉
455	CH ₂	SO ₂ ^s C ₄ H ₉	H	H	H	H	H	H	H
456	CH ₂	SO ₂ ^s C ₄ H ₉	H	H	H	H	H	H	SO ₂ ^l C ₄ H ₉
457	CH ₂	SO ₂ ^s C ₄ H ₉	H	H	SO ₂ ^s C ₄ H ₉	H	H	H	SO ₂ ^m C ₄ H ₉
458	CH ₂	SO ₂ ^s C ₄ H ₉	H	H	SO ₂ ^s C ₄ H ₉	SO ₂ ^s C ₄ H ₉	H	H	SO ₂ ⁿ C ₄ H ₉
459	CH ₂	SO ₂ ^t C ₄ H ₉	H	H	H	H	H	H	H
460	CH ₂	SO ₂ ^t C ₄ H ₉	H	H	H	H	H	H	SO ₂ ^o C ₄ H ₉
461	CH ₂	SO ₂ ^t C ₄ H ₉	H	H	SO ₂ ^t C ₄ H ₉	H	H	H	SO ₂ ^p C ₄ H ₉
462	CH ₂	SO ₂ ^t C ₄ H ₉	H	H	SO ₂ ^t C ₄ H ₉	SO ₂ ^s C ₄ H ₉	H	H	SO ₂ ^q C ₄ H ₉
463	CH ₂	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	H	H	H
464	CH ₂	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	H	H	SO ₂ CH ₂ CH=CH ₂
465	CH ₂	SO ₂ CH ₂ CH=CH ₂	H	H	SO ₂ CH ₂ CH=CH ₂	H	H	H	SO ₂ CH ₂ CH=CH ₂
466	CH ₂	SO ₂ CH ₂ CH=CH ₂	H	H	SO ₂ CH ₂ CH=CH ₂	SO ₂ CH ₂ CH=CH ₂	H	H	SO ₂ CH ₂ CH=CH ₂
467	CH ₂	SO ₂ C ₆ H ₅	H	H	H	H	H	H	H
468	CH ₂	SO ₂ C ₆ H ₅	H	H	H	H	H	H	SO ₂ C ₆ H ₅
469	CH ₂	SO ₂ C ₆ H ₅	H	H	SO ₂ C ₆ H ₅	H	H	H	SO ₂ C ₆ H ₅
470	CH ₂	SO ₂ C ₆ H ₅	H	H	SO ₂ C ₆ H ₅	SO ₂ C ₆ H ₅	H	H	SO ₂ C ₆ H ₅
471	CH ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H
472	CH ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈
473	CH ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
474	CH ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
475	CH ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H	H	H
476	CH ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
477	CH ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
478	CH ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
479	CH ₂	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	H	H
480	CH ₂	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅
481	CH ₂	SO ₂ CH ₂ C ₆ H ₅	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	SO ₂ CH ₂ C ₆ H ₅
482	CH ₂	SO ₂ CH ₂ C ₆ H ₅	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	SO ₂ CH ₂ C ₆ H ₅
483	CH ₂	SO ₂ C ₆ H ₅	H	H	CH ₃	CH ₃	H	H
484	CH ₂	SO ₂ C ₆ H ₅	H	H	CH ₃	CH ₃	H	SO ₂ C ₆ H ₅
485	CH ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H
486	CH ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	SO ₂ (p-CH ₃)C ₆ H ₄
487	CH ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H
488	CH ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	SO ₂ (o-CH ₃)C ₆ H ₄
489	CH ₂	SO ₂ C ₆ H ₅	H	CH ₃	H	H	CH ₃	H
490	CH ₂	SO ₂ C ₆ H ₅	H	CH ₃	H	H	CH ₃	SO ₂ C ₆ H ₅
491	CH ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H
492	CH ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	SO ₂ (p-CH ₃)C ₆ H ₄

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
493	CH ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	H	CH ₃
494	CH ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
495	CH ₂	SO ₂ C ₆ H ₅	H	H	C1	C1	H	H	H	SO ₂ C ₆ H ₅
496	CH ₂	SO ₂ C ₆ H ₅	H	H	C1	C1	H	H	H	SO ₂ C ₆ H ₅
497	CH ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	C1	C1	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
498	CH ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	C1	C1	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
499	CH ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	C1	C1	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
500	CH ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	C1	C1	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
501	CH ₂	SO ₂ C ₆ H ₅	H	C1	H	H	C1	H	H	SO ₂ C ₆ H ₅
502	CH ₂	SO ₂ C ₆ H ₅	H	C1	H	H	C1	H	H	SO ₂ C ₆ H ₅
503	CH ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	C1	H	H	C1	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
504	CH ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	C1	H	H	C1	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
505	CH ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	C1	H	H	C1	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
506	CH ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	C1	H	H	C1	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
507	CH ₂	SO ₂ C ₆ H ₅	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	SO ₂ C ₆ H ₅
508	CH ₂	SO ₂ C ₆ H ₅	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	SO ₂ C ₆ H ₅
509	CH ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
510	CH ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
511	CH ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
512	CH ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄

Table 1 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
513	CH ₂	SO ₂ -cyclohexyl	H	H	H	H	H	H	H
514	CH ₂	SO ₂ -cyclohexyl	H	H	H	H	H	H	SO ₂ -cyclohexyl
515	CH ₂	SO ₂ -cyclohexyl	H	H	SO ₂ -cyclohexyl	H	H	H	SO ₂ -cyclohexyl
516	CH ₂	SO ₂ -cyclohexyl	H	H	SO ₂ -cyclohexyl	SO ₂ -cyclohexyl	H	H	SO ₂ -cyclohexyl
517	CH ₂ CCH ₃	SO ₂ CH ₃	H	H	H	H	H	H	H
518	CH ₃ CCH ₃	SO ₂ CH ₃	H	H	H	H	H	H	SO ₂ CH ₃
519	CH ₃ CCH ₃	SO ₂ CH ₃	H	H	SO ₂ CH ₃	H	H	H	SO ₂ CH ₃
520	CH ₃ CCH ₃	SO ₂ CH ₃	H	H	SO ₂ CH ₃	SO ₂ CH ₃	H	H	SO ₂ CH ₃
521	CH ₃ CCH ₃	SO ₂ C ₂ H ₅	H	H	H	H	H	H	H
522	CH ₃ CCH ₃	SO ₂ C ₂ H ₅	H	H	H	H	H	H	SO ₂ C ₂ H ₅
523	CH ₃ CCH ₃	SO ₂ C ₂ H ₅	H	H	SO ₂ C ₂ H ₅	H	H	H	SO ₂ C ₂ H ₅
524	CH ₃ CCH ₃	SO ₂ C ₂ H ₅	H	H	SO ₂ C ₂ H ₅	SO ₂ C ₂ H ₅	H	H	SO ₂ C ₂ H ₅
525	CH ₃ CCH ₃	SO ₂ ⁿ C ₂ H ₇	H	H	H	H	H	H	H
526	CH ₃ CCH ₃	SO ₂ ⁿ C ₂ H ₇	H	H	H	H	H	H	SO ₂ ⁿ C ₃ H ₇
527	CH ₃ CCH ₃	SO ₂ ⁿ C ₂ H ₇	H	H	SO ₂ ⁿ C ₂ H ₇	H	H	H	SO ₂ ⁿ C ₃ H ₇
528	CH ₃ CCH ₃	SO ₂ ⁿ C ₂ H ₇	H	H	SO ₂ ⁿ C ₂ H ₇	SO ₂ ⁿ C ₂ H ₇	H	H	SO ₂ ⁿ C ₃ H ₇
529	CH ₃ CCH ₃	SO ₂ ¹ C ₂ H ₇	H	H	H	H	H	H	H
530	CH ₃ CCH ₃	SO ₂ ¹ C ₂ H ₈	H	H	H	H	H	H	SO ₂ ¹ C ₃ H ₈
531	CH ₃ CCH ₃	SO ₂ ¹ C ₂ H ₉	H	H	SO ₂ ¹ C ₃ H ₉	H	H	H	SO ₂ ¹ C ₃ H ₉
532	CH ₃ CCH ₃	SO ₂ ¹ C ₃ H ₁₀	H	H	SO ₂ ¹ C ₃ H ₁₀	SO ₂ ¹ C ₃ H ₉	H	H	SO ₂ ¹ C ₃ H ₉

Table 1 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
533	CH ₃ CCH ₃	SO ₂ ⁿ C ₆ H ₅	H	H	H	H	H	H	H
534	CH ₃ CCH ₃	SO ₂ ⁿ C ₆ H ₉	H	H	H	H	H	H	SO ₂ ⁿ C ₄ H ₉
535	CH ₃ CCH ₃	SO ₂ ⁿ C ₆ H ₉	H	H	SO ₂ ^s C ₆ H ₃	H	H	H	SO ₂ ⁿ C ₄ H ₉
536	CH ₃ CCH ₃	SO ₂ ⁿ C ₆ H ₉	H	H	SO ₂ ^s C ₆ H ₃	SO ₂ ^s C ₆ H ₉	H	H	SO ₂ ⁿ C ₄ H ₉
537	CH ₃ CCH ₃	SO ₂ ⁱ C ₆ H ₉	H	H	H	H	H	H	H
538	CH ₃ CCH ₃	SO ₂ ⁱ C ₆ H ₉	H	H	H	H	H	H	SO ₂ ⁱ C ₄ H ₉
539	CH ₃ CCH ₃	SO ₂ ⁱ C ₆ H ₉	H	H	SO ₂ ⁱ C ₆ H ₉	H	H	H	SO ₂ ⁱ C ₄ H ₉
540	CH ₃ CCH ₃	SO ₂ ⁱ C ₆ H ₉	H	H	SO ₂ ⁱ C ₆ H ₉	SO ₂ ^s C ₆ H ₉	H	H	SO ₂ ⁱ C ₄ H ₉
541	CH ₃ CCH ₃	SO ₂ ^s C ₆ H ₉	H	H	H	H	H	H	H
542	CH ₃ CCH ₃	SO ₂ ^s C ₆ H ₉	H	H	H	H	H	H	SO ₂ ^s C ₄ H ₉
543	CH ₃ CCH ₃	SO ₂ ^s C ₆ H ₉	H	H	SO ₂ ^s C ₆ H ₉	H	H	H	SO ₂ ^s C ₄ H ₉
544	CH ₃ CCH ₃	SO ₂ ^s C ₆ H ₉	H	H	SO ₂ ^s C ₆ H ₉	SO ₂ ^s C ₆ H ₉	H	H	SO ₂ ^s C ₄ H ₉
545	CH ₃ CCH ₃	SO ₂ ^t C ₆ H ₉	H	H	H	H	H	H	H
546	CH ₃ CCH ₃	SO ₂ ^t C ₆ H ₉	H	H	H	H	H	H	SO ₂ ^t C ₄ H ₉
547	CH ₃ CCH ₃	SO ₂ ^t C ₆ H ₉	H	H	SO ₂ ^t C ₆ H ₉	H	H	H	SO ₂ ^t C ₄ H ₉
548	CH ₃ CCH ₃	SO ₂ ^t C ₆ H ₉	H	H	SO ₂ ^t C ₆ H ₉	SO ₂ ^t C ₆ H ₉	H	H	SO ₂ ^t C ₄ H ₉
549	CH ₃ CCH ₃	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	H	H	H
550	CH ₃ CCH ₃	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	H	H	SO ₂ CH ₂ CH=CH ₂
551	CH ₃ CCH ₃	SO ₂ CH ₂ CH=CH ₂	H	H	SO ₂ CH ₂ CH=CH ₂	H	H	H	SO ₂ CH ₂ CH=CH ₂
552	CH ₃ CCH ₃	SO ₂ CH ₂ CH=CH ₂	H	H	SO ₂ CH ₂ CH=CH ₂	SO ₂ CH ₂ CH=CH ₂	H	H	SO ₂ CH ₂ CH=CH ₂

Table 1 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
553	CH ₃ CCH ₃	SO ₂ C ₆ H ₅	H	H	H	H	H	H	H	H
554	CH ₃ CCH	SO ₂ C ₆ H ₅	H	H	H	H	H	H	H	SO ₂ C ₆ H ₅
555	CH ₃ CCH ₃	SO ₂ C ₆ H ₅	H	H	SO ₂ C ₆ H ₅	H	H	H	H	SO ₂ C ₆ H ₅
556	CH ₃ CCH ₃	SO ₂ C ₆ H ₅	H	H	SO ₂ C ₆ H ₅	SO ₂ C ₆ H ₅	H	H	H	SO ₂ C ₆ H ₅
557	CH ₃ CCH ₃	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H	H
558	CH ₃ CCH ₃	SO ₂ (p-CH ₃) ₂ C ₆ H ₄	H	H	H	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
559	CH ₃ CCH ₃	SO ₂ (p-CH ₃) ₂ C ₆ H ₄	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
560	CH ₃ CCH ₃	SO ₂ (p-CH ₃) ₂ C ₆ H ₄	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
561	CH ₃ CCH ₃	SO ₂ (o-CH ₃) ₂ C ₆ H ₄	H	H	H	H	H	H	H	H
562	CH ₃ CCH ₃	SO ₂ (o-CH ₃) ₂ C ₆ H ₄	H	H	H	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
563	CH ₃ CCH ₃	SO ₂ (o-CH ₃) ₂ C ₆ H ₄	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
564	CH ₃ CCH ₃	SO ₂ (o-CH ₃) ₂ C ₆ H ₄	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
565	CH ₃ CCH ₃	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	H	H	H	H
566	CH ₃ CCH ₃	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅
567	CH ₃ CCH ₃	SO ₂ CH ₂ C ₆ H ₅	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅
568	CH ₃ CCH ₃	SO ₂ CH ₂ C ₆ H ₅	H	H	SO ₂ CH ₂ C ₆ H ₅	SO ₂ CH ₂ C ₆ H ₅	H	H	H	SO ₂ CH ₂ C ₆ H ₅
569	CH ₃ CCH ₃	SO ₂ C ₆ H ₅	H	H	CH ₃	CH ₃	H	H	H	H
570	CH ₃ CCH ₃	SO ₂ C ₆ H ₅	H	H	CH ₃	CH ₃	CH ₃	H	H	SO ₂ C ₆ H ₅
571	CH ₃ CCH ₃	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	CH ₃	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
572	CH ₃ CCH ₃	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	CH ₃	H	H	SO ₂ (p-CH ₃)C ₆ H ₄

Table 1 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
573	CH ₃ CCH ₃	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₃		CH ₃	H	H	H
574	CH ₃ CCH ₃	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₃		CH ₃	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
575	CH ₃ CCH ₃	SO ₂ C ₆ H ₅	H	CH ₃	H		CH ₃	H	H	
576	CH ₃ CCH ₃	SO ₂ C ₆ H ₅	H	CH ₃	H		CH ₃	H	SOC ₆ H ₅	
577	CH ₃ CCH ₃	SO ₂ (p-CH ₃)C ₆ H ₄	H	CH ₃	H		CH ₃	H	H	
578	CH ₃ CCH ₃	SO ₂ (p-CH ₃)C ₆ H ₄	H	CH ₃	H		CH ₃	H	SO ₂ (p-CH ₃)C ₆ H ₄	
579	CH ₃ CCH ₃	SO ₂ (o-CH ₃)C ₆ H ₄	H	CH ₃	H		CH ₃	H	H	
580	CH ₃ CCH ₃	SO ₂ (o-CH ₃)C ₆ H ₄	H	CH ₃	H		CH ₃	H	SO ₂ (o-CH ₃)C ₆ H ₄	
581	CH ₃ CCH ₃	SO ₂ C ₆ H ₅	H	H	CH ₃		CH ₃	H	H	
582	CH ₃ CCH ₃	SO ₂ C ₆ H ₅	H	H	CH ₃		CH ₃	H	H	SOC ₆ H ₅
583	CH ₃ CCH ₃	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₃		CH ₃	H	H	
584	CH ₃ CCH ₃	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₃		CH ₃	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
585	CH ₃ CCH ₃	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₃		CH ₃	H	H	
586	CH ₃ CCH ₃	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₃		CH ₃	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
587	CH ₃ CCH ₃	SO ₂ C ₆ H ₅	H	CH ₃	H		CH ₃	H	H	
588	CH ₃ CCH ₃	SO ₂ C ₆ H ₅	H	CH ₃	H		CH ₃	H	H	SOC ₆ H ₅
589	CH ₃ CCH ₃	SO ₂ (p-CH ₃)C ₆ H ₄	H	CH ₃	H		CH ₃	H	H	
590	CH ₃ CCH ₃	SO ₂ (p-CH ₃)C ₆ H ₄	H	CH ₃	H		CH ₃	H	SO ₂ (p-CH ₃)C ₆ H ₄	
591	CH ₃ CCH ₃	SO ₂ (o-CH ₃)C ₆ H ₄	H	CH ₃	H		CH ₃	H	H	
592	CH ₃ CCH ₃	SO ₂ (o-CH ₃)C ₆ H ₄	H	CH ₃	H		CH ₃	H	SO ₂ (o-CH ₃)C ₆ H ₄	

Table 1 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
593	CH ₃ CCH ₃	SO ₂ C ₆ H ₅	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	H
594	CH ₃ CCH ₃	SO ₂ C ₆ H ₅	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	SO ₂ C ₆ H ₅
595	CH ₃ CCH ₃	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	H
596	CH ₃ CCH ₃	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
597	CH ₃ CCH ₃	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	H
598	CH ₃ CCH ₃	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
599	CH ₃ CCH ₃	SO ₂ -cyclohexyl	H	H	H	H	H	H	H	H
600	CH ₃ CCH ₃	SO ₂ -cyclohexyl	H	H	H	H	H	H	H	SO ₂ -cyclohexyl
601	CH ₃ CCH ₃	SO ₂ -cyclohexyl	H	H	SO ₂ -cyclohexyl	H	H	H	H	SO ₂ -cyclohexyl
602	CH ₃ CCH ₃	SO ₂ -cyclohexyl	H	H	SO ₂ -cyclohexyl	SO ₂ -cyclohexyl	H	H	H	SO ₂ -cyclohexyl
603	CH ₃ CC(CH ₃) ₃	SO ₂ CH ₃	H	H	H	H	H	H	H	H
604	CH ₃ CC(CH ₃) ₃	SO ₂ CH ₃	H	H	H	H	H	H	H	SO ₂ CH ₃
605	CH ₃ CC(CH ₃) ₃	SO ₂ CH ₃	H	H	SO ₂ CH ₃	H	H	H	H	SO ₂ CH ₃
606	CH ₃ CC(CH ₃) ₃	SO ₂ CH ₃	H	H	SO ₂ CH ₃	SO ₂ CH ₃	H	H	H	SO ₂ CH ₃
607	CH ₃ CC(CH ₃) ₃	SO ₂ C ₂ H ₅	H	H	H	H	H	H	H	H
608	CH ₃ CC(CH ₃) ₃	SO ₂ C ₂ H ₅	H	H	H	H	H	H	H	SO ₂ C ₂ H ₅
609	CH ₃ CC(CH ₃) ₃	SO ₂ C ₂ H ₅	H	H	SO ₂ C ₂ H ₅	H	H	H	H	SO ₂ C ₂ H ₅
610	CH ₃ CC(CH ₃) ₃	SO ₂ C ₂ H ₅	H	H	SO ₂ C ₂ H ₅	SO ₂ C ₂ H ₅	H	H	H	SO ₂ C ₂ H ₅
611	CH ₃ CC(CH ₃) ₃	SO ₂ ⁿ C ₂ H ₇	H	H	H	H	H	H	H	H
612	CH ₃ CC(CH ₃) ₃	SO ₂ ⁿ C ₂ H ₇	H	H	H	H	H	H	H	SO ₂ ⁿ C ₂ H ₇

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
613	CH ₃ OC(CH ₃) ₃	SO ₂ ⁿ C ₆ H ₇	H	H	SO ₂ ⁿ C ₆ H ₇	H	H	H	SO ₂ ⁿ C ₆ H ₇
614	CH ₃ OC(CH ₃) ₃	SO ₂ ⁿ C ₆ H ₇	H	H	SO ₂ ⁿ C ₆ H ₇	H	H	H	SO ₂ ⁿ C ₆ H ₇
615	CH ₃ OC(CH ₃) ₃	SO ₂ ⁱ C ₆ H ₇	H	H	H	H	H	H	H
616	CH ₃ OC(CH ₃) ₃	SO ₂ ⁱ C ₆ H ₈	H	H	H	H	H	H	SO ₂ ⁱ C ₆ H ₈
617	CH ₃ OC(CH ₃) ₃	SO ₂ ⁱ C ₆ H ₉	H	H	SO ₂ ⁱ C ₆ H ₉	H	H	H	SO ₂ ⁱ C ₆ H ₉
618	CH ₃ OC(CH ₃) ₃	SO ₂ ⁱ C ₆ H ₁₀	H	H	SO ₂ ⁱ C ₆ H ₉	H	H	H	SO ₂ ⁱ C ₆ H ₉
619	CH ₃ CC(CH ₃) ₃	SO ₂ ⁿ C ₆ H ₉	H	H	H	H	H	H	H
620	CH ₃ CC(CH ₃) ₃	SO ₂ ⁿ C ₆ H ₉	H	H	H	H	H	H	SO ₂ ⁿ C ₆ H ₉
621	CH ₃ CC(CH ₃) ₃	SO ₂ ⁿ C ₆ H ₉	H	H	SO ₂ ⁿ C ₆ H ₉	H	H	H	SO ₂ ⁿ C ₆ H ₉
622	CH ₃ CC(CH ₃) ₃	SO ₂ ⁿ C ₆ H ₉	H	H	SO ₂ ⁿ C ₆ H ₉	H	H	H	SO ₂ ⁿ C ₆ H ₉
623	CH ₃ CC(CH ₃) ₃	SO ₂ ⁱ C ₆ H ₉	H	H	H	H	H	H	H
624	CH ₃ CC(CH ₃) ₃	SO ₂ ⁱ C ₆ H ₉	H	H	H	H	H	H	SO ₂ ⁱ C ₆ H ₉
625	CH ₃ CC(CH ₃) ₃	SO ₂ ⁱ C ₆ H ₉	H	H	SO ₂ ⁱ C ₆ H ₉	H	H	H	SO ₂ ⁱ C ₆ H ₉
626	CH ₃ CC(CH ₃) ₃	SO ₂ ^s C ₆ H ₉	H	H	SO ₂ ^s C ₆ H ₉	H	H	H	SO ₂ ^s C ₆ H ₉
627	CH ₃ CC(CH ₃) ₃	SO ₂ ^s C ₆ H ₉	H	H	H	H	H	H	H
628	CH ₃ CC(CH ₃) ₃	SO ₂ ^s C ₆ H ₉	H	H	H	H	H	H	SO ₂ ^s C ₆ H ₉
629	CH ₃ CC(CH ₃) ₃	SO ₂ ^s C ₆ H ₉	H	H	SO ₂ ^s C ₆ H ₉	H	H	H	SO ₂ ^s C ₆ H ₉
630	CH ₃ CC(CH ₃) ₃	SO ₂ ^s C ₆ H ₉	H	H	SO ₂ ^s C ₆ H ₉	H	H	H	SO ₂ ^s C ₆ H ₉
631	CH ₃ CC(CH ₃) ₃	SO ₂ ^t C ₆ H ₉	H	H	H	H	H	H	H
632	CH ₃ CC(CH ₃) ₃	SO ₂ ^t C ₆ H ₉	H	H	H	H	H	H	SO ₂ ^t C ₆ H ₉

Table 1 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
633	CH ₂ CC(CH ₃) ₃	SO ₂ ^t C ₆ H ₅	H	H	SO ₂ ^t C ₆ H ₆	H	H	SO ₂ C ₆ H ₆	
634	CH ₃ CC(CH ₃) ₃	SO ₂ ^t C ₆ H ₉	H	H	SO ₂ ^t C ₆ H ₉	H	H	SO ₂ ^t C ₆ H ₉	H
635	CH ₂ CC(CH ₃) ₃	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	H	H	H
636	CH ₃ CC(CH ₃) ₃	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	H	H	SO ₂ CH ₂ CH=CH ₂
637	CH ₂ CC(CH ₃) ₃	SO ₂ CH ₂ CH=CH ₂	H	H	SO ₂ CH ₂ CH=CH ₂	H	H	SO ₂ CH ₂ CH=CH ₂	
638	CH ₂ CC(CH ₃) ₂	SO ₂ CH ₂ CH=CH ₂	H	H	SO ₂ CH ₂ CH=CH ₂	SO ₂ CH ₂ CH=CH ₂	H	SO ₂ CH ₂ CH=CH ₂	
639	CH ₃ CC(CH ₃) ₂	SO ₂ C ₆ H ₅	H	H	H	H	H	H	H
640	CH ₂ CC(CH ₃) ₂	SO ₂ C ₆ H ₅	H	H	H	H	H	H	SO ₂ C ₆ H ₅
641	CH ₂ CC(CH ₃) ₂	SO ₂ C ₆ H ₅	H	H	SO ₂ C ₆ H ₅	H	H	SO ₂ C ₆ H ₅	
642	CH ₃ CC(CH ₃) ₂	SO ₂ C ₆ H ₅	H	H	SO ₂ C ₆ H ₅	SO ₂ C ₆ H ₅	H	SO ₂ C ₆ H ₅	
643	CH ₂ CC(CH ₃) ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H
644	CH ₃ CC(CH ₃) ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₅
645	CH ₂ CC(CH ₃) ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	
646	CH ₃ CC(CH ₃) ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	SO ₂ (p-CH ₃)C ₆ H ₄	H	SO ₂ (p-CH ₃)C ₆ H ₄	
647	CH ₂ CC(CH ₃) ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H
648	CH ₂ CC(CH ₃) ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
649	CH ₃ CC(CH ₃) ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	
650	CH ₂ CC(CH ₃) ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	SO ₂ (o-CH ₃)C ₆ H ₄	H	SO ₂ (o-CH ₃)C ₆ H ₄	
651	CH ₂ CC(CH ₃) ₂	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	H	H	H
652	CH ₃ CC(CH ₃) ₂	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
653	CH ₃ OC(CH ₃) ₃	SO ₂ CH ₂ C ₆ H ₅	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H	SO ₂ CH ₂ C ₆ H ₅	
654	CH ₃ CC(CH ₃) ₃	SO ₂ CH ₂ C ₆ H ₅	H	H	SO ₂ CH ₂ C ₆ H ₅	SO ₂ CH ₂ C ₆ H ₅	H	H	SO ₂ CH ₂ C ₆ H ₅	
655	CH ₃ CC(CH ₃) ₃	SO ₂ C ₆ H ₅	H	H	CH ₃	CH ₃	CH ₃	H	H	H
656	CH ₃ CC(CH ₃) ₃	SO ₂ C ₆ H ₅	H	H	CH ₃	CH ₃	CH ₃	H	H	SO ₂ C ₆ H ₅
657	CH ₃ CC(CH ₃) ₃	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	CH ₃	H	H	H
658	CH ₃ CC(CH ₃) ₃	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	CH ₃	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
659	CH ₃ CC(CH ₃) ₃	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	CH ₃	H	H	H
660	CH ₃ CC(CH ₃) ₃	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	CH ₃	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
661	CH ₃ CC(CH ₃) ₃	SO ₂ C ₆ H ₅	H	CH ₃	H	CH ₃	H	CH ₃	H	H
662	CH ₃ CC(CH ₃) ₃	SO ₂ C ₆ H ₅	H	CH ₃	H	CH ₃	H	CH ₃	H	SO ₂ C ₆ H ₅
663	CH ₃ CC(CH ₃) ₃	SO ₂ (p-CH ₃)C ₆ H ₄	H	CH ₃	H	CH ₃	H	CH ₃	H	H
664	CH ₃ CC(CH ₃) ₃	SO ₂ (p-CH ₃)C ₆ H ₄	H	CH ₃	H	CH ₃	H	CH ₃	H	SO ₂ (p-CH ₃)C ₆ H ₄
665	CH ₃ CC(CH ₃) ₃	SO ₂ (o-CH ₃)C ₆ H ₄	H	CH ₃	H	CH ₃	H	CH ₃	H	H
666	CH ₃ CC(CH ₃) ₃	SO ₂ (o-CH ₃)C ₆ H ₄	H	CH ₃	H	CH ₃	H	CH ₃	H	SO ₂ (o-CH ₃)C ₆ H ₄
667	CH ₃ CC(CH ₃) ₃	SO ₂ C ₆ H ₅	H	H	Cl	Cl	Cl	H	H	H
668	CH ₃ CC(CH ₃) ₃	SO ₂ C ₆ H ₅	H	H	Cl	Cl	Cl	H	H	SO ₂ C ₆ H ₅
669	CH ₃ CC(CH ₃) ₃	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	Cl	Cl	Cl	H	H	H
670	CH ₃ CC(CH ₃) ₃	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	Cl	Cl	Cl	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
671	CH ₃ CC(CH ₃) ₃	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	Cl	Cl	Cl	H	H	H
672	CH ₃ CC(CH ₃) ₃	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	Cl	Cl	Cl	H	H	SO ₂ (o-CH ₃)C ₆ H ₄

Table 1 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
673	CH ₂ CC(CH ₃) ₃	SO ₂ C ₆ H ₅	H	C ₁	H	H	C ₁	H	H
674	CH ₂ CC(CH ₃) ₃	SO ₂ C ₆ H ₅	H	C ₁	H	H	C ₁	H	SO ₂ C ₆ H ₅
675	CH ₂ CC(CH ₃) ₃	SO ₂ (p-CH ₃)C ₆ H ₄	H	C ₁	H	H	C ₁	H	H
676	CH ₂ CC(CH ₃) ₃	SO ₂ (p-CH ₃)C ₆ H ₄	H	C ₁	H	H	C ₁	H	SO ₂ (p-CH ₃)C ₆ H ₄
677	CH ₂ CC(CH ₃) ₃	SO ₂ (o-CH ₃)C ₆ H ₄	H	C ₁	H	H	C ₁	H	H
678	CH ₂ CC(CH ₃) ₃	SO ₂ (o-CH ₃)C ₆ H ₄	H	C ₁	H	H	C ₁	H	SO ₂ (o-CH ₃)C ₆ H ₄
679	CH ₂ CC(CH ₃) ₃	SO ₂ C ₆ H ₅	H	CH ₂ CH=CH ₂	H	CH ₂ CH=CH ₂	H	H	H
680	CH ₂ CC(CH ₃) ₃	SO ₂ C ₆ H ₅	H	CH ₂ CH=CH ₂	H	CH ₂ CH=CH ₂	H	H	SO ₂ C ₆ H ₅
681	CH ₂ CC(CH ₃) ₃	SO ₂ (p-CH ₃)C ₆ H ₄	H	CH ₂ CH=CH ₂	H	CH ₂ CH=CH ₂	H	H	H
682	CH ₂ CC(CH ₃) ₃	SO ₂ (p-CH ₃)C ₆ H ₄	H	CH ₂ CH=CH ₂	H	CH ₂ CH=CH ₂	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
683	CH ₂ CC(CH ₃) ₃	SO ₂ (o-CH ₃)C ₆ H ₄	H	CH ₂ CH=CH ₂	H	CH ₂ CH=CH ₂	H	H	H
684	CH ₂ CC(CH ₃) ₃	SO ₂ (o-CH ₃)C ₆ H ₄	H	CH ₂ CH=CH ₂	H	CH ₂ CH=CH ₂	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
685	CH ₂ CC(CH ₃) ₃	SO ₂ -cyclohexyl	H	H	H	H	H	H	H
686	CH ₂ CC(CH ₃) ₃	SO ₂ -cyclohexyl	H	H	H	H	H	H	SO ₂ -cyclohexyl
687	CH ₂ CC(CH ₃) ₃	SO ₂ -cyclohexyl	H	H	SO ₂ -cyclohexyl	H	H	H	SO ₂ -cyclohexyl
688	CH ₂ CC(CH ₃) ₃	SO ₂ -cyclohexyl	H	H	SO ₂ -cyclohexyl	H	H	H	SO ₂ -cyclohexyl
689	CH ₂ CC ₆ H ₅	SO ₂ Cl ₃	H	H	H	H	H	H	H
690	CH ₂ CC ₆ H ₅	SO ₂ Cl ₃	H	H	H	H	H	H	SO ₂ Cl ₃
691	CH ₂ CC ₆ H ₅	SO ₂ Cl ₃	H	H	SO ₂ Cl ₃	H	H	H	SO ₂ Cl ₃
692	CH ₂ CC ₆ H ₅	SO ₂ CH ₃	H	H	SO ₂ CH ₃	H	H	H	SO ₂ CH ₃

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
693	CH ₃ CC ₆ H ₅	SO ₂ C ₆ H ₅	H	H	H	H	H	H	H	H
694	CH ₃ CC ₆ H ₅	SO ₂ ^{nC₆H₅}	H	H	H	H	H	H	H	SO ₂ C ₆ H ₅
695	CH ₃ CC ₆ H ₅	SO ₂ C ₂ H ₅	H	H	SO ₂ C ₂ H ₅	H	H	H	H	SO ₂ C ₂ H ₅
696	CH ₃ CC ₆ H ₅	SO ₂ C ₂ H ₅	H	H	SO ₂ C ₂ H ₅	SO ₂ C ₂ H ₅	H	H	H	SO ₂ C ₂ H ₅
697	CH ₃ CC ₆ H ₅	SO ₂ ⁿ C ₆ H ₇	H	H	H	H	H	H	H	H
698	CH ₃ CC ₆ H ₅	SO ₂ ⁿ C ₆ H ₇	H	H	H	H	H	H	H	SO ₂ ⁿ C ₆ H ₇
699	CH ₃ CC ₆ H ₅	SO ₂ ⁿ C ₆ H ₇	H	H	SO ₂ ⁿ C ₆ H ₇	H	H	H	H	SO ₂ ⁿ C ₆ H ₇
700	CH ₃ CC ₆ H ₅	SO ₂ ⁿ C ₆ H ₇	H	H	SO ₂ ⁿ C ₆ H ₇	SO ₂ ⁿ C ₆ H ₇	H	H	H	SO ₂ ⁿ C ₆ H ₇
701	CH ₃ CC ₆ H ₅	SO ₂ ^l C ₆ H ₇	H	H	H	H	H	H	H	H
702	CH ₃ CC ₆ H ₅	SO ₂ ^l C ₆ H ₈	H	H	H	H	H	H	H	SO ₂ ^l C ₆ H ₈
703	CH ₃ CC ₆ H ₅	SO ₂ ^l C ₆ H ₉	H	H	SO ₂ ^l C ₆ H ₉	H	H	H	H	SO ₂ ^l C ₆ H ₉
704	CH ₃ CC ₆ H ₅	SO ₂ ^l C ₆ H ₁₀	H	H	SO ₂ ^l C ₆ H ₁₀	SO ₂ ^l C ₆ H ₁₀	H	H	H	SO ₂ ^l C ₆ H ₁₀
705	CH ₃ CC ₆ H ₅	SO ₂ ⁿ C ₆ H ₉	H	H	H	H	H	H	H	H
706	CH ₃ CC ₆ H ₅	SO ₂ ⁿ C ₆ H ₉	H	H	H	H	H	H	H	SO ₂ ⁿ C ₆ H ₉
707	CH ₃ CC ₆ H ₅	SO ₂ ⁿ C ₆ H ₉	H	H	SO ₂ ⁿ C ₆ H ₉	H	H	H	H	SO ₂ ⁿ C ₆ H ₉
708	CH ₃ CC ₆ H ₅	SO ₂ ⁿ C ₆ H ₉	H	H	SO ₂ ⁿ C ₆ H ₉	SO ₂ ⁿ C ₆ H ₉	H	H	H	SO ₂ ⁿ C ₆ H ₉
709	CH ₃ CC ₆ H ₅	SO ₂ ^l C ₆ H ₉	H	H	H	H	H	H	H	H
710	CH ₃ CC ₆ H ₅	SO ₂ ^l C ₆ H ₉	H	H	H	H	H	H	H	SO ₂ ^l C ₆ H ₉
711	CH ₃ CC ₆ H ₅	SO ₂ ^l C ₆ H ₉	H	H	SO ₂ ^l C ₆ H ₉	H	H	H	H	SO ₂ ^l C ₆ H ₉
712	CH ₃ CC ₆ H ₅	SO ₂ ^l C ₆ H ₉	H	H	SO ₂ ^l C ₆ H ₉	SO ₂ ^l C ₆ H ₉	H	H	H	SO ₂ ^l C ₆ H ₉

Table 1 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
713	CH ₃ CC ₆ H ₅	SO ₂ ^s C ₆ H ₅	H	H	H	H	H	H	H
714	CH ₃ CC ₆ H ₅	SO ₂ ^s C ₆ H ₅	H	H	H	H	H	H	SO ₂ ^s C ₄ H ₉
715	CH ₃ CC ₆ H ₅	SO ₂ ^s C ₆ H ₅	H	H	SO ₂ ^s C ₆ H ₉	H	H	H	SO ₂ ^s C ₄ H ₉
716	CH ₃ CC ₆ H ₅	SO ₂ ^s C ₆ H ₅	H	H	SO ₂ ^s C ₆ H ₉	H	H	H	SO ₂ ^s C ₄ H ₉
717	CH ₃ CC ₆ H ₅	SO ₂ ^t C ₆ H ₅	H	H	H	H	H	H	H
718	CH ₃ CC ₆ H ₅	SO ₂ ^t C ₆ H ₅	H	H	H	H	H	H	SO ₂ ^t C ₄ H ₉
719	CH ₃ CC ₆ H ₅	SO ₂ ^t C ₆ H ₅	H	H	SO ₂ ^t C ₆ H ₉	H	H	H	SO ₂ ^t C ₄ H ₉
720	CH ₃ CC ₆ H ₅	SO ₂ ^t C ₆ H ₅	H	H	SO ₂ ^t C ₆ H ₉	H	H	H	SO ₂ ^t C ₄ H ₉
721	CH ₃ CC ₆ H ₅	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	H	H	H
722	CH ₃ CC ₆ H ₅	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	H	H	SO ₂ CH ₂ CH=CH ₂
723	CH ₃ CC ₆ H ₅	SO ₂ CH ₂ CH=CH ₂	H	H	SO ₂ CH ₂ CH=CH ₂	H	H	H	SO ₂ CH ₂ CH=CH ₂
724	CH ₃ CC ₆ H ₅	SO ₂ CH ₂ CH=CH ₂	H	H	SO ₂ CH ₂ CH=CH ₂	SO ₂ CH=CH=CH ₂	H	H	SO ₂ CH=CH=CH ₂
725	CH ₃ CC ₆ H ₅	SO ₂ C ₆ H ₅	H	H	H	H	H	H	H
726	CH ₃ CC ₆ H ₅	SO ₂ C ₆ H ₅	H	H	H	H	H	H	SO ₂ C ₆ H ₅
727	CH ₃ CC ₆ H ₅	SO ₂ C ₆ H ₅	H	H	SO ₂ C ₆ H ₅	H	H	H	SO ₂ C ₆ H ₅
728	CH ₃ CC ₆ H ₅	SO ₂ C ₆ H ₅	H	H	SO ₂ C ₆ H ₅	SO ₂ C ₆ H ₅	H	H	SO ₂ C ₆ H ₅
729	CH ₃ CC ₆ H ₅	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H
730	CH ₃ CC ₆ H ₅	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
731	CH ₃ CC ₆ H ₅	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
732	CH ₃ CC ₆ H ₅	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	SO ₂ (p-CH ₃)C ₆ H ₄

Table 1 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
733	CH ₃ CC ₆ H ₅	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H
734	CH ₃ CC ₆ H ₅	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
735	CH ₃ CC ₆ H ₅	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
736	CH ₃ CC ₆ H ₅	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
737	CH ₃ CC ₆ H ₅	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	H	H	H
738	CH ₃ CC ₆ H ₅	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅
739	CH ₃ CC ₆ H ₅	SO ₂ CH ₂ C ₆ H ₅	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H	SO ₂ CH ₂ C ₆ H ₅
740	CH ₃ CC ₆ H ₅	SO ₂ CH ₂ C ₆ H ₅	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H	SO ₂ CH ₂ C ₆ H ₅
741	CH ₃ CC ₆ H ₅	SO ₂ C ₆ H ₅	H	H	CH ₃	CH ₃	H	H	H
742	CH ₃ CC ₆ H ₅	SO ₂ C ₆ H ₅	H	H	CH ₃	CH ₃	H	H	SO ₂ C ₆ H ₅
743	CH ₃ CC ₆ H ₅	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	H
744	CH ₃ CC ₆ H ₅	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
745	CH ₃ CC ₆ H ₅	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	H
746	CH ₃ CC ₆ H ₅	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
747	CH ₃ CC ₆ H ₅	SO ₂ C ₆ H ₅	H	CH ₃	H	H	CH ₃	H	H
748	CH ₃ CC ₆ H ₅	SO ₂ C ₆ H ₅	H	CH ₃	H	H	CH ₃	H	SO ₂ C ₆ H ₅
749	CH ₃ CC ₆ H ₅	SO ₂ (p-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	H
750	CH ₃ CC ₆ H ₅	SO ₂ (p-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	SO ₂ (p-CH ₃)C ₆ H ₄
751	CH ₃ CC ₆ H ₅	SO ₂ (o-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	H
752	CH ₃ CC ₆ H ₅	SO ₂ (o-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	SO ₂ (o-CH ₃)C ₆ H ₄

Table 1 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
753	Cl ₂ CC ₆ H ₅	SO ₂ C ₆ H ₅	II	II	Cl	Cl	Cl	II	II	II
754	CH ₃ CC ₆ H ₅	SO ₂ C ₆ H ₅	II	II	Cl	Cl	Cl	II	II	SO ₂ C ₆ H ₅
755	CH ₃ CC ₆ H ₅	SO ₂ (p-CH ₃)C ₆ H ₄	II	II	Cl	Cl	Cl	II	II	II
756	CH ₃ CC ₆ H ₅	SO ₂ (p-CH ₃)C ₆ H ₄	II	II	Cl	Cl	Cl	II	II	SO ₂ (p-CH ₃)C ₆ H ₄
757	CH ₃ CC ₆ H ₅	SO ₂ (o-CH ₃)C ₆ H ₄	II	II	Cl	Cl	Cl	II	II	II
758	CH ₃ CC ₆ H ₅	SO ₂ (o-CH ₃)C ₆ H ₄	II	II	Cl	Cl	Cl	II	II	SO ₂ (o-CH ₃)C ₆ H ₄
759	CH ₃ CC ₆ H ₅	SO ₂ C ₆ H ₅	II	Cl	II	II	II	Cl	II	II
760	CH ₃ CC ₆ H ₅	SO ₂ C ₆ H ₅	II	Cl	II	II	II	Cl	II	SO ₂ C ₆ H ₅
761	CH ₃ CC ₆ H ₅	SO ₂ (p-CH ₃)C ₆ H ₄	II	Cl	II	II	II	Cl	II	II
762	CH ₃ CC ₆ H ₅	SO ₂ (p-CH ₃)C ₆ H ₄	II	Cl	II	II	II	Cl	II	SO ₂ (p-CH ₃)C ₆ H ₄
763	CH ₃ CC ₆ H ₅	SO ₂ (o-CH ₃)C ₆ H ₄	II	Cl	II	II	II	Cl	II	II
764	CH ₃ CC ₆ H ₅	SO ₂ (o-CH ₃)C ₆ H ₄	II	Cl	II	II	II	Cl	II	SO ₂ (o-CH ₃)C ₆ H ₄
765	CH ₃ CC ₆ H ₅	SO ₂ C ₆ H ₅	II	II	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	II	II	II
766	CH ₃ CC ₆ H ₅	SO ₂ C ₆ H ₅	II	II	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	II	II	SO ₂ C ₆ H ₅
767	CH ₃ CC ₆ H ₅	SO ₂ (p-CH ₃)C ₆ H ₄	II	II	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	II	II	SO ₂ (p-CH ₃)C ₆ H ₄
768	CH ₃ CC ₆ H ₅	SO ₂ (p-CH ₃)C ₆ H ₄	II	II	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	II	II	SO ₂ (p-CH ₃)C ₆ H ₄
769	CH ₃ CC ₆ H ₅	SO ₂ (o-CH ₃)C ₆ H ₄	II	II	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	II	II	II
770	CH ₃ CC ₆ H ₅	SO ₂ (o-CH ₃)C ₆ H ₄	II	II	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	II	II	SO ₂ (o-CH ₃)C ₆ H ₄
771	CH ₃ CC ₆ H ₅	SO ₂ -cyclohexyl	II	II	II	II	II	II	II	II
772	CH ₃ CC ₆ H ₅	SO ₂ -cyclohexyl	II	II	II	II	II	II	II	SO ₂ -cyclohexyl

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
773	CH ₂ CC ₆ H ₅	SO ₂ -cyclohexyl	H	H	SO ₂ -cyclohexyl	H	H	H	SO ₂ -cyclohexyl
774	CH ₂ CC ₆ H ₅	SO ₂ -cyclohexyl	H	H	SO ₂ -cyclohexyl	SO ₂ -cyclohexyl	H	H	SO ₂ -cyclohexyl
775	None	SO ₂ CH ₃	H	H	H	H	H	H	H
776	None	SO ₂ CH ₃	H	H	H	H	H	H	SO ₂ CH ₃
777	None	SO ₂ CH ₃	H	H	SO ₂ CH ₃	H	H	H	SO ₂ CH ₃
778	None	SO ₂ CH ₃	H	H	SO ₂ CH ₃	SO ₂ CH ₃	H	H	SO ₂ CH ₃
779	None	SO ₂ C ₂ H ₅	H	H	H	H	H	H	H
780	None	SO ₂ C ₂ H ₅	H	H	H	H	H	H	SO ₂ C ₂ H ₅
781	None	SO ₂ C ₂ H ₅	H	H	SO ₂ C ₂ H ₅	H	H	H	SO ₂ C ₂ H ₅
782	None	SO ₂ C ₂ H ₅	H	H	SO ₂ C ₂ H ₅	SO ₂ C ₂ H ₅	H	H	SO ₂ C ₂ H ₅
783	None	SO ₂ ⁿ C ₃ H ₇	H	H	H	H	H	H	H
784	None	SO ₂ ⁿ C ₃ H ₇	H	H	H	H	H	H	SO ₂ ⁿ C ₃ H ₇
785	None	SO ₂ ⁿ C ₃ H ₇	H	H	SO ₂ ⁿ C ₃ H ₇	H	H	H	SO ₂ ⁿ C ₃ H ₇
786	None	SO ₂ ⁿ C ₃ H ₇	H	H	SO ₂ ⁿ C ₃ H ₇	SO ₂ ⁿ C ₃ H ₇	H	H	SO ₂ ⁿ C ₃ H ₇
787	None	SO ₂ ⁱ C ₃ H ₇	H	H	H	H	H	H	H
788	None	SO ₂ ⁱ C ₃ H ₆	H	H	H	H	H	H	SO ₂ ⁱ C ₃ H ₆
789	None	SO ₂ ⁱ C ₃ H ₆	H	H	SO ₂ ⁱ C ₃ H ₆	H	H	H	SO ₂ ⁱ C ₃ H ₆
790	None	SO ₂ ⁱ C ₃ H ₆	H	H	SO ₂ ⁱ C ₃ H ₆	SO ₂ ⁱ C ₃ H ₆	H	H	SO ₂ ⁱ C ₃ H ₆
791	None	SO ₂ ⁿ C ₃ H ₆	H	H	H	H	H	H	H
792	None	SO ₂ ⁿ C ₃ H ₆	H	H	H	H	H	H	SO ₂ ⁿ C ₃ H ₆

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
793	None	SO ₂ ^s C ₄ H ₉	H	H	SO ₂ ^s C ₄ H ₉	H	H	H	SO ₂ ^s C ₄ H ₉
794	None	SO ₂ ^s C ₄ H ₉	H	H	SO ₂ ^s C ₄ H ₉	SO ₂ ^t C ₄ H ₉	H	H	SO ₂ ^t C ₄ H ₉
795	None	SO ₂ ^t C ₄ H ₉	H	H	H	H	H	H	H
796	None	SO ₂ ^t C ₄ H ₉	H	H	H	H	H	H	SO ₂ ^t C ₄ H ₉
797	None	SO ₂ ^t C ₄ H ₉	H	H	SO ₂ ^t C ₄ H ₉	H	H	H	SO ₂ ^t C ₄ H ₉
798	None	SO ₂ ^t C ₄ H ₉	H	H	SO ₂ ^t C ₄ H ₉	SO ₂ ^t C ₄ H ₉	H	H	SO ₂ ^t C ₄ H ₉
799	None	SO ₂ ^s C ₄ H ₉	H	H	H	H	H	H	H
800	None	SO ₂ ^s C ₄ H ₉	H	H	H	H	H	H	SO ₂ ^s C ₄ H ₉
801	None	SO ₂ ^s C ₄ H ₉	H	H	SO ₂ ^s C ₄ H ₉	H	H	H	SO ₂ ^s C ₄ H ₉
802	None	SO ₂ ^s C ₄ H ₉	H	H	SO ₂ ^s C ₄ H ₉	SO ₂ ^t C ₄ H ₉	H	H	SO ₂ ^s C ₄ H ₉
803	None	SO ₂ ^t C ₄ H ₉	H	H	H	H	H	H	H
804	None	SO ₂ ^t C ₄ H ₉	H	H	H	H	H	H	SO ₂ ^t C ₄ H ₉
805	None	SO ₂ ^t C ₄ H ₉	H	H	SO ₂ ^t C ₄ H ₉	H	H	H	SO ₂ ^t C ₄ H ₉
806	None	SO ₂ ^t C ₄ H ₉	H	H	SO ₂ ^t C ₄ H ₉	SO ₂ ^t C ₄ H ₉	H	H	SO ₂ ^t C ₄ H ₉
807	None	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	H	H	H
808	None	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	H	H	SO ₂ CH ₂ CH=CH ₂
809	None	SO ₂ CH ₂ CH=CH ₂	H	H	SO ₂ CH ₂ CH=CH ₂	H	H	H	SO ₂ CH ₂ CH=CH ₂
810	None	SO ₂ CH ₂ CH=CH ₂	H	H	SO ₂ CH ₂ CH=CH ₂	SO ₂ CH ₂ CH=CH ₂	H	H	SO ₂ CH ₂ CH=CH ₂
811	None	SO ₂ C ₆ H ₅	H	H	H	H	H	H	H
812	None	SO ₂ C ₆ H ₅	H	H	H	H	H	H	SO ₂ C ₆ H ₅

[Table 1] (Continued)

Table 1 (continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
833	None	SO ₂ C ₆ H ₅	H	CH ₃	H	H	CH ₃	H	H	H
834	None	SO ₂ C ₆ H ₅	H	CH ₃	H	H	CH ₃	H	SO ₂ C ₆ H ₅	
835	None	SO ₂ (p-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	H	H
836	None	SO ₂ (p-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	SO ₂ (p-CH ₃)C ₆ H ₄	
837	None	SO ₂ (o-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	H	H
838	None	SO ₂ (o-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	SO ₂ (o-CH ₃)C ₆ H ₄	
839	None	SO ₂ C ₆ H ₅	H	C1	C1	C1	H	H	H	H
840	None	SO ₂ C ₆ H ₅	H	C1	C1	C1	H	H	SO ₂ C ₆ H ₅	
841	None	SO ₂ (p-CH ₃)C ₆ H ₄	H	C1	C1	C1	H	H	H	H
842	None	SO ₂ (p-CH ₃)C ₆ H ₄	H	C1	C1	C1	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	
843	None	SO ₂ (o-CH ₃)C ₆ H ₄	H	C1	C1	C1	H	H	H	H
844	None	SO ₂ (o-CH ₃)C ₆ H ₄	H	C1	C1	C1	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	
845	None	SO ₂ C ₆ H ₅	H	C1	H	H	C1	H	H	H
846	None	SO ₂ C ₆ H ₅	H	C1	H	H	C1	H	SO ₂ C ₆ H ₅	
847	None	SO ₂ (p-CH ₃)C ₆ H ₄	H	C1	H	H	C1	H	H	H
848	None	SO ₂ (p-CH ₃)C ₆ H ₄	H	C1	H	H	C1	H	SO ₂ (p-CH ₃)C ₆ H ₄	
849	None	SO ₂ (o-CH ₃)C ₆ H ₄	H	C1	H	H	C1	H	H	H
850	None	SO ₂ (o-CH ₃)C ₆ H ₄	H	C1	H	H	C1	H	SO ₂ (o-CH ₃)C ₆ H ₄	
851	None	SO ₂ C ₆ H ₅	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	H
852	None	SO ₂ C ₆ H ₅	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	SO ₂ C ₆ H ₅	

Table 1 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
853	None	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H
854	None	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	SO ₂ (p-CH ₃)C ₆ H ₄
855	None	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H
856	None	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	SO ₂ (o-CH ₃)C ₆ H ₄
857	None	SO ₂ -cyclohexyl	H	H	H	H	H	H	H
858	None	SO ₂ -cyclohexyl	H	H	H	H	H	H	SO ₂ -cyclohexyl
859	None	SO ₂ -cyclohexyl	H	H	SO ₂ -cyclohexyl	H	H	H	SO ₂ -cyclohexyl
860	None	SO ₂ -cyclohexyl	H	H	SO ₂ -cyclohexyl	SO ₂ -cyclohexyl	H	H	SO ₂ -cyclohexyl
861	SO ₂	COCH ₃	H	H	H	H	H	H	H
862	SO ₂	COCH ₃	H	H	H	H	H	H	COCH ₃
863	SO ₂	COCH ₃	H	H	COCH ₃	H	H	H	COCH ₃
864	SO ₂	COCH ₃	H	H	COCH ₃	COCH ₃	H	H	COCH ₃
865	SO ₂	COC ₂ H ₅	H	H	H	H	H	H	H
866	SO ₂	COC ₂ H ₅	H	H	H	H	H	H	COC ₂ H ₅
867	SO ₂	COC ₂ H ₅	H	H	COC ₂ H ₅	H	H	H	COC ₂ H ₅
868	SO ₂	COC ₂ H ₅	H	H	COC ₂ H ₅	COC ₂ H ₅	H	H	COC ₂ H ₅
869	SO ₂	CO ⁰ C ₃ H ₇	H	H	H	H	H	H	H
870	SO ₂	CO ⁰ C ₃ H ₇	H	H	H	H	H	H	CO ⁰ C ₃ H ₇
871	SO ₂	CO ⁰ C ₃ H ₇	H	H	CO ⁰ C ₃ H ₇	H	H	H	CO ⁰ C ₃ H ₇
872	SO ₂	CO ⁰ C ₃ H ₇	H	H	CO ⁰ C ₃ H ₇	CO ⁰ C ₃ H ₇	H	H	CO ⁰ C ₃ H ₇

[Table 1] (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
873	SO ₂	CO ⁱ C ₆ H ₇	H	H	H	H	H	H	H	H
874	SO ₂	CO ^t C ₆ H ₇	H	H	H	H	H	H	H	CO ^t C ₆ H ₇
875	SO ₂	CO ⁱ C ₆ H ₇	H	H	CO ⁱ C ₆ H ₇	H	H	H	H	CO ^t C ₆ H ₇
876	SO ₂	CO ⁱ C ₆ H ₇	H	H	CO ⁱ C ₆ H ₇	H	H	H	H	CO ^t C ₆ H ₇
877	SO ₂	CO ^v C ₆ H ₉	H	H	H	H	H	H	H	H
878	SO ₂	CO ^p C ₆ H ₉	H	H	H	H	H	H	H	CO ^t C ₆ H ₉
879	SO ₂	CO ^v C ₆ H ₉	H	H	CO ^v C ₆ H ₉	H	H	H	H	CO ^t C ₆ H ₉
880	SO ₂	CO ^v C ₆ H ₉	H	H	CO ^v C ₆ H ₉	CO ^v C ₆ H ₉	H	H	H	CO ^t C ₆ H ₉
881	SO ₂	CO ⁱ C ₆ H ₉	H	H	H	H	H	H	H	H
882	SO ₂	CO ^t C ₆ H ₉	H	H	H	H	H	H	H	CO ^t C ₆ H ₉
883	SO ₂	CO ⁱ C ₆ H ₉	H	H	CO ⁱ C ₆ H ₉	H	H	H	H	CO ^t C ₆ H ₉
884	SO ₂	CO ⁱ C ₆ H ₉	H	H	CO ⁱ C ₆ H ₉	CO ⁱ C ₆ H ₉	H	H	H	CO ^t C ₆ H ₉
885	SO ₂	CO ^s C ₆ H ₉	H	H	H	H	H	H	H	H
886	SO ₂	CO ^s C ₆ H ₉	H	H	H	H	H	H	H	CO ^s C ₆ H ₉
887	SO ₂	CO ^s C ₆ H ₉	H	H	CO ^s C ₆ H ₉	H	H	H	H	CO ^s C ₆ H ₉
888	SO ₂	CO ^s C ₆ H ₉	H	H	CO ^s C ₆ H ₉	CO ^s C ₆ H ₉	H	H	H	CO ^s C ₆ H ₉
889	SO ₂	CO ⁱ C ₆ H ₉	H	H	H	H	H	H	H	H
890	SO ₂	CO ^t C ₆ H ₉	H	H	H	H	H	H	H	CO ^t C ₆ H ₉
891	SO ₂	CO ^t C ₆ H ₉	H	H	CO ^t C ₆ H ₉	H	H	H	H	CO ^t C ₆ H ₉
892	SO ₂	CO ^t C ₆ H ₉	H	H	CO ^t C ₆ H ₉	CO ^t C ₆ H ₉	H	H	H	CO ^t C ₆ H ₉

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
893	SO ₂	COCH ₂ CH=CH ₂	H	H	H	H	H	H	H
894	SO ₂	COCH ₂ CH=CH ₂	H	H	H	H	H	H	COCH ₂ CH=CH ₂
895	SO ₂	COCH ₂ CH=CH ₂	H	COCH ₂ CH=CH ₂	H	H	H	H	COCH ₂ CH=CH ₂
896	SO ₂	COCH ₂ CH=CH ₂	H	COCH ₂ CH=CH ₂	COCH ₂ CH=CH ₂	H	H	H	COCH ₂ CH=CH ₂
897	SO ₂	COC ₆ H ₅	H	H	H	H	H	H	H
898	SO ₂	COC ₆ H ₅	H	H	H	H	H	H	COC ₆ H ₅
899	SO ₂	COC ₆ H ₅	H	H	COC ₆ H ₅	H	H	H	COC ₆ H ₅
900	SO ₂	COC ₆ H ₅	H	H	COC ₆ H ₅	COC ₆ H ₅	H	H	COC ₆ H ₅
901	SO ₂	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H
902	SO ₂	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	CO(p-CH ₃)C ₆ H ₄
903	SO ₂	CO(p-CH ₃)C ₆ H ₄	H	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	CO(p-CH ₃)C ₆ H ₄
904	SO ₂	CO(p-CH ₃)C ₆ H ₄	H	CO(p-CH ₃)C ₆ H ₄	CO(p-CH ₃)C ₆ H ₄	H	H	H	CO(p-CH ₃)C ₆ H ₄
905	SO ₂	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H
906	SO ₂	CO(o-CH ₃)C ₆ H ₄	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H	CO(o-CH ₃)C ₆ H ₄
907	SO ₂	CO(o-CH ₃)C ₆ H ₄	H	CO(o-CH ₃)C ₆ H ₄	CO(o-CH ₃)C ₆ H ₄	H	H	H	CO(o-CH ₃)C ₆ H ₄
908	SO ₂	CO(o-CH ₃)C ₆ H ₄	H	CO(o-CH ₃)C ₆ H ₄	CO(o-CH ₃)C ₆ H ₄	H	H	H	CO(o-CH ₃)C ₆ H ₄
909	SO ₂	COCH ₂ C ₆ H ₅	H	H	H	H	H	H	H
910	SO ₂	COCH ₂ C ₆ H ₅	H	H	H	H	H	H	COCH ₂ C ₆ H ₅
911	SO ₂	COCH ₂ C ₆ H ₅	H	H	COCH ₂ C ₆ H ₅	H	H	H	COCH ₂ C ₆ H ₅
912	SO ₂	COCH ₂ C ₆ H ₅	H	H	COCH ₂ C ₆ H ₅	COCH ₂ C ₆ H ₅	H	H	COCH ₂ C ₆ H ₅

Table 1 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
913	SO ₂	COC ₆ H ₅	H	H	CH ₃	CH ₃	H	H	H
914	SO ₂	COC ₆ H ₅	H	H	CH ₃	CH ₃	H	H	COCH ₃
915	SO ₂	CO(p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	H
916	SO ₂	CO(p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	CO(p-CH ₃)C ₆ H ₄
917	SO ₂	CO(o-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	H
918	SO ₂	CO(o-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	CO(o-CH ₃)C ₆ H ₄
919	SO ₂	COC ₆ H ₅	H	CH ₃	H	H	CH ₃	H	H
920	SO ₂	COC ₆ H ₅	H	CH ₃	H	H	CH ₃	H	COCH ₃
921	SO ₂	CO(p-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	H
922	SO ₂	CO(p-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	CO(p-CH ₃)C ₆ H ₄
923	SO ₂	CO(o-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	H
924	SO ₂	CO(o-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	CO(o-CH ₃)C ₆ H ₄
925	SO ₂	COC ₆ H ₅	H	CH ₃	Cl	Cl	H	H	H
926	SO ₂	COC ₆ H ₅	H	CH ₃	Cl	Cl	H	H	COCH ₃
927	SO ₂	CO(p-CH ₃)C ₆ H ₄	H	CH ₃	Cl	Cl	H	H	H
928	SO ₂	CO(p-CH ₃)C ₆ H ₄	H	CH ₃	Cl	Cl	H	H	CO(p-CH ₃)C ₆ H ₄
929	SO ₂	CO(o-CH ₃)C ₆ H ₄	H	CH ₃	Cl	Cl	H	H	H
930	SO ₂	CO(o-CH ₃)C ₆ H ₄	H	CH ₃	Cl	Cl	H	H	CO(o-CH ₃)C ₆ H ₄
931	SO ₂	COC ₆ H ₅	H	CH ₃	H	H	Cl	H	H
932	SO ₂	COC ₆ H ₅	H	CH ₃	H	H	Cl	H	COCH ₃

Table 1 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
933	S0 ₂	CO(p-CH ₃)C ₆ H ₄	H	Cl	H	H	H	C1	H	H
934	S0 ₂	CO(p-CH ₃)C ₆ H ₄	H	Cl	H	H	H	C1	H	CO(p-CH ₃)C ₆ H ₄
935	S0 ₂	CO(o-CH ₃)C ₆ H ₄	H	Cl	H	H	H	C1	H	H
936	S0 ₂	CO(o-CH ₃)C ₆ H ₄	H	Cl	H	H	H	C1	H	CO(o-CH ₃)C ₆ H ₄
937	S0 ₂	COC ₆ H ₅	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	H
938	S0 ₂	COC ₆ H ₅	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	COC ₆ H ₅
939	S0 ₂	CO(p-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	H
940	S0 ₂	CO(p-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	CO(p-CH ₃)C ₆ H ₄
941	S0 ₂	CO(o-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	H
942	S0 ₂	CO(o-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	CO(o-CH ₃)C ₆ H ₄
943	S0 ₂	CO-cyclohexyl	H	H	H	H	H	H	H	H
944	S0 ₂	CO-cyclohexyl	H	H	H	H	H	H	H	CO-cyclohexyl
945	S0 ₂	CO-cyclohexyl	H	H	CO-cyclohexyl	H	H	H	H	CO-cyclohexyl
946	S0 ₂	CO-cyclohexyl	H	H	CO-cyclohexyl	H	H	H	H	CO-cyclohexyl
947	S0	COCH ₃	H	H	H	H	H	H	H	H
948	S0	COCH ₃	H	H	H	H	H	H	H	COCH ₃
949	S0	COCH ₃	H	H	COCH ₃	H	H	H	H	COCH ₃
950	S0	COCH ₃	H	H	COCH ₃	COCH ₃	H	H	H	COCH ₃
951	S0	COCH ₂ H ₅	H	H	H	H	H	H	H	H
952	S0	COCH ₂ H ₅	H	H	H	H	H	H	H	COCH ₂ H ₅

Table 1 (continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
953	S0	COC ₂ H ₅	H	H	COG ₂ I ₅	H	H	H	COOC ₂ H ₅
954	S0	COC ₂ H ₅	H	H	COG ₂ I ₅	COOC ₂ H ₅	H	H	COOC ₂ H ₅
955	S0	CO ^v C ₃ H ₇	H	H	H	H	H	H	H
956	S0	CO ^v C ₃ H ₇	H	H	H	H	H	H	CO ^v C ₃ H ₇
957	S0	CO ^v C ₃ H ₇	H	H	CO ^v C ₃ H ₇	H	H	H	CO ^v C ₃ H ₇
958	S0	CO ^v C ₃ H ₇	H	H	CO ^v C ₃ H ₇	CO ^v C ₃ H ₇	H	H	CO ^v C ₃ H ₇
959	S0	CO ^v C ₃ H ₇	H	H	H	H	H	H	H
960	S0	CO ^v C ₃ H ₇	H	H	H	H	H	H	CO ^v C ₃ H ₇
961	S0	CO ^v C ₃ H ₇	H	H	CO ^v C ₃ H ₇	H	H	H	CO ^v C ₃ H ₇
962	S0	CO ^v C ₃ H ₇	H	H	CO ^v C ₃ H ₇	CO ^v C ₃ H ₇	H	H	CO ^v C ₃ H ₇
963	S0	CO ^v C ₄ H ₉	H	H	H	H	H	H	H
964	S0	CO ^v C ₄ H ₉	H	H	H	H	H	H	CO ^v C ₄ H ₉
965	S0	CO ^v C ₄ H ₉	H	H	CO ^v C ₄ H ₉	H	H	H	CO ^v C ₄ H ₉
966	S0	CO ^v C ₄ H ₉	H	H	CO ^v C ₄ H ₉	CO ^v C ₄ H ₉	H	H	CO ^v C ₄ H ₉
967	S0	CO ^v C ₄ H ₉	H	H	H	H	H	H	H
968	S0	CO ^v C ₄ H ₉	H	H	H	H	H	H	CO ^v C ₄ H ₉
969	S0	CO ^v C ₄ H ₉	H	H	CO ^v C ₄ H ₉	H	H	H	CO ^v C ₄ H ₉
970	S0	CO ^v C ₄ H ₉	H	H	CO ^v C ₄ H ₉	CO ^v C ₄ H ₉	H	H	CO ^v C ₄ H ₉
971	S0	CO ^v C ₄ H ₉	H	H	H	H	H	H	H
972	S0	CO ^v C ₄ H ₉	H	H	H	H	H	H	CO ^v C ₄ H ₉

Table 1 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
973	S0	CO ^s C ₄ H ₉	H	H	CO ^s C ₄ H ₉	H	H	H	CO ^s C ₄ H ₉
974	S0	CO ^s C ₄ H ₉	H	H	CO ^s C ₄ H ₉	CO ^s C ₄ H ₉	H	H	CO ^s C ₄ H ₉
975	S0	CO ^t C ₄ H ₉	H	H	H	H	H	H	H
976	S0	CO ^t C ₄ H ₉	H	H	H	H	H	H	CO ^t C ₄ H ₉
977	S0	CO ^t C ₄ H ₉	H	H	CO ^t C ₄ H ₉	H	H	H	CO ^t C ₄ H ₉
978	S0	CO ^t C ₄ H ₉	H	H	CO ^t C ₄ H ₉	CO ^t C ₄ H ₉	H	H	CO ^t C ₄ H ₉
979	S0	COCH ₂ CH=CH ₂	H	H	H	H	H	H	H
980	S0	COCH ₂ CH=CH ₂	H	H	H	H	H	H	COCH ₂ CH=CH ₂
981	S0	COCH ₂ CH=CH ₂	H	H	COCH ₂ CH=CH ₂	H	H	H	COCH ₂ CH=CH ₂
982	S0	COCH ₂ CH=CH ₂	H	H	COCH ₂ CH=CH ₂	COCH ₂ CH=CH ₂	H	H	COCH ₂ CH=CH ₂
983	S0	COC ₆ H ₅	H	H	H	H	H	H	H
984	S0	COC ₆ H ₅	H	H	H	H	H	H	COC ₆ H ₅
985	S0	COC ₆ H ₅	H	H	COC ₆ H ₅	H	H	H	COC ₆ H ₅
986	S0	COC ₆ H ₅	H	H	COC ₆ H ₅	COC ₆ H ₅	H	H	COC ₆ H ₅
987	S0	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H
988	S0	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	CO(p-CH ₃)C ₆ H ₄
989	S0	CO(p-CH ₃)C ₆ H ₄	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H	CO(p-CH ₃)C ₆ H ₄
990	S0	CO(p-CH ₃)C ₆ H ₄	H	H	CO(p-CH ₃)C ₆ H ₄	CO(p-CH ₃)C ₆ H ₄	H	H	CO(p-CH ₃)C ₆ H ₄
991	S0	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H
992	S0	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	CO(o-CH ₃)C ₆ H ₄

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
993	S0	CO(o-CH ₃)C ₆ H ₄	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H	CO(o-CH ₃)C ₆ H ₄
994	S0	CO(o-CH ₃)C ₆ H ₄	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H	CO(o-CH ₃)C ₆ H ₄
995	S0	COCH ₂ C ₆ H ₅	H	H	H	H	H	H	H
996	S0	COCH ₂ C ₆ H ₅	H	H	H	H	H	H	COCH ₂ C ₆ H ₅
997	S0	COCH ₂ C ₆ H ₅	H	H	COCH ₂ C ₆ H ₅	H	H	H	COCH ₂ C ₆ H ₅
998	S0	COCH ₂ C ₆ H ₅	H	H	COCH ₂ C ₆ H ₅	COCH ₂ C ₆ H ₅	H	H	COCH ₂ C ₆ H ₅
999	S0	COC ₆ H ₅	H	H	CH ₃	CH ₃	H	H	H
1000	S0	COC ₆ H ₅	H	H	CH ₃	CH ₃	H	H	COC ₆ H ₅
1001	S0	CO(p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	H
1002	S0	CO(p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	CO(p-CH ₃)C ₆ H ₄
1003	S0	CO(o-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	H
1004	S0	CO(o-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	CO(o-CH ₃)C ₆ H ₄
1005	S0	COC ₆ H ₅	H	CH ₃	H	H	CH ₃	H	H
1006	S0	COC ₆ H ₅	H	CH ₃	H	H	CH ₃	H	COC ₆ H ₅
1007	S0	CO(p-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	H
1008	S0	CO(p-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	CO(p-CH ₃)C ₆ H ₄
1009	S0	CO(o-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	H
1010	S0	CO(o-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	CO(o-CH ₃)C ₆ H ₄
1011	S0	COC ₆ H ₅	H	CH ₃	Cl	Cl	H	H	H
1012	S0	COC ₆ H ₅	H	CH ₃	Cl	Cl	H	H	COC ₆ H ₅

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1013	S0	CO(p-CH ₃)C ₆ H ₄	H	H	C1	C1	H	H	H	H
1014	S0	CO(p-CH ₃)C ₆ H ₄	H	H	C1	C1	H	H	CO(p-CH ₃)C ₆ H ₄	
1015	S0	CO(o-CH ₃)C ₆ H ₄	H	H	C1	C1	H	H	H	H
1016	S0	CO(o-CH ₃)C ₆ H ₄	H	H	C1	C1	H	H	CO(o-CH ₃)C ₆ H ₄	
1017	S0	COC ₆ H ₅	H	C1	H	H	C1	H	H	H
1018	S0	COC ₆ H ₅	H	C1	H	H	C1	H	COC ₆ H ₅	
1019	S0	CO(p-CH ₃)C ₆ H ₄	H	C1	H	H	C1	H	H	H
1020	S0	CO(p-CH ₃)C ₆ H ₄	H	C1	H	H	C1	H	CO(p-CH ₃)C ₆ H ₄	
1021	S0	CO(o-CH ₃)C ₆ H ₄	H	C1	H	H	C1	H	H	H
1022	S0	CO(o-CH ₃)C ₆ H ₄	H	C1	H	H	C1	H	CO(o-CH ₃)C ₆ H ₄	
1023	S0	COC ₆ H ₅	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	H
1024	S0	COC ₆ H ₅	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	COC ₆ H ₅	
1025	S0	CO(p-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	H
1026	S0	CO(p-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	CO(p-CH ₃)C ₆ H ₄	
1027	S0	CO(o-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	H
1028	S0	CO(o-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	CO(o-CH ₃)C ₆ H ₄	
1029	S0	CO-cyclohexyl	H	H	H	H	H	H	H	H
1030	S0	CO-cyclohexyl	H	H	H	H	H	H	CO-cyclohexyl	
1031	S0	CO-cyclohexyl	H	H	CO-cyclohexyl	H	H	H	CO-cyclohexyl	
1032	S0	CO-cyclohexyl	H	H	CO-cyclohexyl	CO-cyclohexyl	H	H	CO-cyclohexyl	

Table 1 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1033	S	COCH ₃	H	H	H	H	H	H	H	H
1034	S	COCH ₃	H	H	H	H	H	H	H	COCH ₃
1035	S	COCH ₃	H	H	COCH ₃	H	H	H	H	COCH ₃
1036	S	COCH ₃	H	H	COCH ₃	COCH ₃	H	H	H	COCH ₃
1037	S	COCH ₅	H	H	H	H	H	H	H	H
1038	S	COCH ₅	H	H	H	H	H	H	H	COCH ₅
1039	S	COCH ₅	H	H	COCH ₅	H	H	H	H	COCH ₅
1040	S	COCH ₅	H	H	COCH ₅	COCH ₅	H	H	H	COCH ₅
1041	S	CO ³ C ₃ H ₇	H	H	H	H	H	H	H	H
1042	S	CO ³ C ₃ H ₇	H	H	H	H	H	H	H	CO ³ C ₃ H ₇
1043	S	CO ³ C ₃ H ₇	H	H	CO ³ C ₃ H ₇	H	H	H	H	CO ³ C ₃ H ₇
1044	S	CO ³ C ₃ H ₇	H	H	CO ³ C ₃ H ₇	CO ³ C ₃ H ₇	H	H	H	CO ³ C ₃ H ₇
1045	S	CO ³ C ₃ H ₇	H	H	H	H	H	H	H	H
1046	S	CO ³ C ₃ H ₇	H	H	H	H	H	H	H	CO ³ C ₃ H ₇
1047	S	CO ³ C ₃ H ₇	H	H	CO ³ C ₃ H ₇	H	H	H	H	CO ³ C ₃ H ₇
1048	S	CO ³ C ₃ H ₇	H	H	CO ³ C ₃ H ₇	CO ³ iC ₃ H ₇	H	H	H	CO ³ C ₃ H ₇
1049	S	CO ³ C ₄ H ₉	H	H	H	H	H	H	H	H
1050	S	CO ³ C ₄ H ₉	H	H	H	H	H	H	H	CO ³ C ₄ H ₉
1051	S	CO ³ C ₄ H ₉	H	H	CO ³ C ₄ H ₉	H	H	H	H	CO ³ C ₄ H ₉
1052	S	CO ³ C ₄ H ₉	H	H	CO ³ C ₄ H ₉	CO ³ C ₄ H ₉	H	H	H	CO ³ C ₄ H ₉

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈
1053	S	CO'C ₄ H ₉	H	H	H	H	H	H
1054	S	CO'C ₄ H ₉	H	H	H	H	H	H
1055	S	CO'C ₄ H ₉	H	H	CO'C ₄ H ₉	H	H	CO'C ₄ H ₉
1056	S	CO'C ₄ H ₉	H	H	CO'C ₄ H ₉	CO'C ₄ H ₉	H	CO'C ₄ H ₉
1057	S	CO'C ₄ H ₉	H	H	H	H	H	H
1058	S	CO'C ₄ H ₉	H	H	H	H	H	CO'C ₄ H ₉
1059	S	CO'C ₄ H ₉	H	H	CO'C ₄ H ₉	H	H	CO'C ₄ H ₉
1060	S	CO'C ₄ H ₉	H	H	CO'C ₄ H ₉	CO'C ₄ H ₉	H	CO'C ₄ H ₉
1061	S	CO'C ₄ H ₉	H	H	H	H	H	H
1062	S	CO'C ₄ H ₉	H	H	H	H	H	CO'C ₄ H ₉
1063	S	CO'C ₄ H ₉	H	H	CO'C ₄ H ₉	H	H	CO'C ₄ H ₉
1064	S	CO'C ₄ H ₉	H	H	CO'C ₄ H ₉	CO'C ₄ H ₉	H	CO'C ₄ H ₉
1065	S	COCH ₂ CH=CH ₂	H	H	H	H	H	H
1066	S	COCH ₂ CH=CH ₂	H	H	H	H	H	COCH ₂ CH=CH ₂
1067	S	COCH ₂ CH=CH ₂	H	H	COCH ₂ CH=CH ₂	H	H	COCH ₂ CH=CH ₂
1068	S	COCH ₂ CH=CH ₂	H	H	COCH ₂ CH=CH ₂	COCH ₂ CH=CH ₂	H	COCH ₂ CH=CH ₂
1069	S	COC ₆ H ₅	H	H	H	H	H	H
1070	S	COC ₆ H ₅	H	H	H	H	H	COC ₆ H ₅
1071	S	COC ₆ H ₅	H	H	COC ₆ H ₅	H	H	COC ₆ H ₅
1072	S	COC ₆ H ₅	H	H	COC ₆ H ₅	COC ₆ H ₅	H	COC ₆ H ₅

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1073	S	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H	H
1074	S	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	CO(p-CH ₃)C ₆ H ₄	
1075	S	CO(p-CH ₃)C ₆ H ₄	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H	CO(p-CH ₃)C ₆ H ₄	
1076	S	CO(p-CH ₃)C ₆ H ₄	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H	CO(p-CH ₃)C ₆ H ₄	
1077	S	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H	H
1078	S	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H	CO(o-CH ₃)C ₆ H ₄
1079	S	CO(o-CH ₃)C ₆ H ₄	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H	CO(o-CH ₃)C ₆ H ₄	
1080	S	CO(o-CH ₃)C ₆ H ₄	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H	CO(o-CH ₃)C ₆ H ₄	
1081	S	COCH ₂ C ₆ H ₅	H	H	H	H	H	H	H	H
1082	S	COCH ₂ C ₆ H ₅	H	H	H	H	H	H	H	COCH ₂ C ₆ H ₅
1083	S	COCH ₂ C ₆ H ₅	H	H	COCH ₂ C ₆ H ₅	H	H	H	H	COCH ₂ C ₆ H ₅
1084	S	COCH ₂ C ₆ H ₅	H	H	COCH ₂ C ₆ H ₅	H	H	H	H	COCH ₂ C ₆ H ₅
1085	S	COC ₆ H ₅	H	H	CH ₃	CH ₃	H	H	H	COCH ₂ C ₆ H ₅
1086	S	COC ₆ H ₅	H	H	CH ₃	CH ₃	H	H	H	COCH ₂ C ₆ H ₅
1087	S	CO(p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	H	COCH ₂ C ₆ H ₅
1088	S	CO(p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	CH ₃	H	H	CO(p-CH ₃)C ₆ H ₄
1089	S	CO(o-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	CH ₃	H	H	CO(o-CH ₃)C ₆ H ₄
1090	S	CO(o-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	CH ₃	H	CO(o-CH ₃)C ₆ H ₄
1091	S	COC ₆ H ₅	H	CH ₃	H	H	H	CH ₃	H	COC ₆ H ₅
1092	S	COC ₆ H ₅	H	CH ₃	H	H	H	CH ₃	H	COC ₆ H ₅

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1093	S	CO(p-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	H	H
1094	S	CO(p-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	CO(p-CH ₃)C ₆ H ₄	
1095	S	CO(o-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	H	H
1096	S	CO(o-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	CO(o-CH ₃)C ₆ H ₄	
10978	S	COC ₆ H ₅	H	H	C1	C1	H	H	H	H
1098	S	COC ₆ H ₅	H	H	C1	C1	H	H	COC ₆ H ₅	
1099	S	CO(p-CH ₃)C ₆ H ₄	H	H	C1	C1	H	H	H	H
1100	S	CO(p-CH ₃)C ₆ H ₄	H	H	C1	C1	H	H	CO(p-CH ₃)C ₆ H ₄	
1101	S	CO(o-CH ₃)C ₆ H ₄	H	H	C1	C1	H	H	H	H
1102	S	CO(o-CH ₃)C ₆ H ₄	H	H	C1	C1	H	H	CO(o-CH ₃)C ₆ H ₄	
1103	S	COC ₆ H ₅	H	C1	H	H	C1	H	H	H
1104	S	COC ₆ H ₅	H	C1	H	H	C1	H	COC ₆ H ₅	
1105	S	CO(p-CH ₃)C ₆ H ₄	H	C1	H	H	C1	H	H	H
1106	S	CO(p-CH ₃)C ₆ H ₄	H	C1	H	H	C1	H	CO(p-CH ₃)C ₆ H ₄	
1107	S	CO(o-CH ₃)C ₆ H ₄	H	C1	H	H	C1	H	H	H
1108	S	CO(o-CH ₃)C ₆ H ₄	H	C1	H	H	C1	H	CO(o-CH ₃)C ₆ H ₄	
1109	S	COC ₆ H ₅	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	H	H
1110	S	COC ₆ H ₅	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	COC ₆ H ₅	H	H
1111	S	CO(p-CH ₃)C ₆ H ₄	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	H	H
1112	S	CO(p-CH ₃)C ₆ H ₄	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	CO(p-CH ₃)C ₆ H ₄	H	H

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1113	S	CO(α-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H
1114	S	CO(α-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	CO(α-CH ₃)C ₆ H ₄
1115	S	CO-cyclohexyl	H	H	H	H	H	H	H
1116	S	CO-cyclohexyl	H	H	H	H	H	H	CO-cyclohexyl
1117	S	CO-cyclohexyl	H	H	CO-cyclohexyl	H	H	H	CO-cyclohexyl
1118	S	CO-cyclohexyl	H	H	CO-cyclohexyl	CO-cyclohexyl	H	H	CO-cyclohexyl
1119	O	COCH ₃	H	H	H	H	H	H	H
1120	O	COCH ₃	H	H	H	H	H	H	COCH ₃
1121	O	COCH ₃	H	H	COCH ₃	H	H	H	COCH ₃
1122	O	COCH ₃	H	H	COCH ₃	COCH ₃	H	H	COCH ₃
1123	O	COC ₂ H ₅	H	H	H	H	H	H	H
1124	O	COC ₂ H ₅	H	H	H	H	H	H	COC ₂ H ₅
1125	O	COC ₂ H ₅	H	H	COC ₂ H ₅	H	H	H	COC ₂ H ₅
1126	O	COC ₂ H ₅	H	H	COC ₂ H ₅	COC ₂ H ₅	H	H	COC ₂ H ₅
1127	O	CO ⁿ C ₆ H ₇	H	H	H	H	H	H	H
1128	O	CO ⁿ C ₆ H ₇	H	H	H	H	H	H	CO ⁿ C ₆ H ₇
1129	O	CO ⁿ C ₆ H ₇	H	H	CO ⁿ C ₆ H ₇	H	H	H	CO ⁿ C ₆ H ₇
1130	O	CO ⁿ C ₆ H ₇	H	H	CO ⁿ C ₆ H ₇	CO ⁿ C ₆ H ₇	H	H	CO ⁿ C ₆ H ₇
1131	O	CO ⁿ C ₆ H ₇	H	H	H	H	H	H	H
1132	O	CO ⁿ C ₆ H ₇	H	H	H	H	H	H	CO ⁿ C ₆ H ₇

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1133	0	CO'C ₃ H ₇	H	H	CO'C ₃ H ₇	H	H	H	CO'C ₃ H ₇
1134	0	CO'C ₃ H ₇	H	H	CO'C ₃ H ₇	CO'C ₃ H ₇	H	H	CO'C ₃ H ₇
1135	0	CO'C ₄ H ₉	H	H	H	H	H	H	H
1136	0	CO'C ₄ H ₉	H	H	H	H	H	H	CO'C ₄ H ₉
1137	0	CO'C ₄ H ₉	H	H	CO'C ₄ H ₉	H	H	H	CO'C ₄ H ₉
1138	0	CO'C ₄ H ₉	H	H	CO'C ₄ H ₉	CO'C ₄ H ₉	H	H	CO'C ₄ H ₉
1139	0	CO'C ₄ H ₉	H	H	H	H	H	H	H
1140	0	CO'C ₄ H ₉	H	H	H	H	H	H	CO'C ₄ H ₉
1141	0	CO'C ₄ H ₉	H	H	CO'C ₄ H ₉	H	H	H	CO'C ₄ H ₉
1142	0	CO'C ₄ H ₉	H	H	CO'C ₄ H ₉	CO'C ₄ H ₉	H	H	CO'C ₄ H ₉
1143	0	CO'C ₄ H ₉	H	H	H	H	H	H	H
1144	0	CO'C ₄ H ₉	H	H	H	H	H	H	CO'C ₄ H ₉
1145	0	CO'C ₄ H ₉	H	H	CO'C ₄ H ₉	H	H	H	CO'C ₄ H ₉
1146	0	CO'C ₄ H ₉	H	H	CO'C ₄ H ₉	CO'C ₄ H ₉	H	H	CO'C ₄ H ₉
1147	0	CO'C ₄ H ₉	H	H	H	H	H	H	H
1148	0	CO'C ₄ H ₉	H	H	H	H	H	H	CO'C ₄ H ₉
1149	0	CO'C ₄ H ₉	H	H	CO'C ₄ H ₉	H	H	H	CO'C ₄ H ₉
1150	0	CO'C ₄ H ₉	H	H	CO'C ₄ H ₉	CO'C ₄ H ₉	H	H	CO'C ₄ H ₉
1151	0	COCH ₂ CH=CH ₂	H	H	H	H	H	H	H
1152	0	COCH ₂ CH=CH ₂	H	H	H	H	H	H	COCH ₂ CH=CH ₂

Table 1 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1153	0	COCH ₂ CH=CH ₂	H	H	COCH ₂ CH=CH ₂	H	H	H	COCH ₂ CH=CH ₂
1154	0	COCH ₂ CH=CH ₂	H	H	COCH ₂ CH=CH ₂	H	H	H	COCH ₂ CH=CH ₂
1155	0	COC ₆ H ₅	H	H	H	H	H	H	H
1156	0	COC ₆ H ₅	H	H	H	H	H	H	COC ₆ H ₅
1157	0	COC ₆ H ₅	H	H	COC ₆ H ₅	H	H	H	COC ₆ H ₅
1158	0	COC ₆ H ₅	H	H	COC ₆ H ₅	COC ₆ H ₅	H	H	COC ₆ H ₅
1159	0	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H
1160	0	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	CO(p-CH ₃)C ₆ H ₄
1161	0	CO(p-CH ₃)C ₆ H ₄	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H	CO(p-CH ₃)C ₆ H ₄
1162	0	CO(p-CH ₃)C ₆ H ₄	H	H	CO(p-CH ₃)C ₆ H ₄	CO(p-CH ₃)C ₆ H ₄	H	H	CO(p-CH ₃)C ₆ H ₄
1163	0	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H
1164	0	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	CO(o-CH ₃)C ₆ H ₄
1165	0	CO(o-CH ₃)C ₆ H ₄	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H	CO(o-CH ₃)C ₆ H ₄
1166	0	CO(o-CH ₃)C ₆ H ₄	H	H	CO(o-CH ₃)C ₆ H ₄	CO(o-CH ₃)C ₆ H ₄	H	H	CO(o-CH ₃)C ₆ H ₄
1167	0	COCH ₂ C ₆ H ₅	H	H	H	H	H	H	H
1168	0	COCH ₂ C ₆ H ₅	H	H	H	H	H	H	COCH ₂ C ₆ H ₅
1169	0	COCH ₂ C ₆ H ₅	H	H	COCH ₂ C ₆ H ₅	H	H	H	COCH ₂ C ₆ H ₅
1170	0	COCH ₂ C ₆ H ₅	H	H	COCH ₂ C ₆ H ₅	COCH ₂ C ₆ H ₅	H	H	COCH ₂ C ₆ H ₅
1171	0	COC ₆ H ₅	H	H	CH ₃	CH ₃	H	H	H
1172	0	COC ₆ H ₅	H	H	CH ₃	CH ₃	H	H	COC ₆ H ₅

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1173	0	CO(p-CH ₃)C ₆ H ₄	H	H	CH ₃		CH ₃	H	H	H
1174	0	CO(p-CH ₃)C ₆ H ₄	H	H	CH ₃		CH ₃	H	H	CO(p-CH ₃)C ₆ H ₄
1175	0	CO(o-CH ₃)C ₆ H ₄	H	H	CH ₃		CH ₃	H	H	H
1176	0	CO(o-CH ₃)C ₆ H ₄	H	H	CH ₃		CH ₃	H	H	CO(o-CH ₃)C ₆ H ₄
1177	0	COC ₆ H ₅	H	CH ₃	H		H	CH ₃	H	H
1178	0	COC ₆ H ₅	H	CH ₃	H		H	CH ₃	H	COC ₆ H ₅
1179	0	CO(p-CH ₃)C ₆ H ₄	H	CH ₃	H		H	CH ₃	H	H
1180	0	CO(p-CH ₃)C ₆ H ₄	H	CH ₃	H		H	CH ₃	H	CO(p-CH ₃)C ₆ H ₄
1181	0	CO(o-CH ₃)C ₆ H ₄	H	CH ₃	H		H	CH ₃	H	CO(o-CH ₃)C ₆ H ₄
11825	0	CO(o-CH ₃)C ₆ H ₄	H	CH ₃	H		H	CH ₃	H	H
1183	0	COC ₆ H ₅	H	H	Cl		Cl	H	H	H
1184	0	COC ₆ H ₅	H	H	Cl		Cl	H	H	COC ₆ H ₅
1185	0	CO(p-CH ₃)C ₆ H ₄	H	H	Cl		Cl	H	H	H
1186	0	CO(p-CH ₃)C ₆ H ₄	H	H	Cl		Cl	H	H	CO(p-CH ₃)C ₆ H ₄
1187	0	CO(o-CH ₃)C ₆ H ₄	H	H	Cl		Cl	H	H	H
1188	0	CO(o-CH ₃)C ₆ H ₄	H	H	Cl		Cl	H	H	CO(o-CH ₃)C ₆ H ₄
1189	0	COC ₆ H ₅	H	Cl	H		H	Cl	H	H
1190	0	COC ₆ H ₅	H	Cl	H		H	Cl	H	COC ₆ H ₅
1191	0	CO(p-CH ₃)C ₆ H ₄	H	Cl	H		H	Cl	H	H
1192	0	CO(p-CH ₃)C ₆ H ₄	H	Cl	H		H	Cl	H	CO(p-CH ₃)C ₆ H ₄

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1193	0	CO(<i>o</i> -CH ₃)C ₆ H ₄	H	C1	H	H	C1	H	H
1194	0	CO(<i>o</i> -CH ₃)C ₆ H ₄	H	C1	H	H	C1	H	CO(<i>o</i> -CH ₃)C ₆ H ₄
1195	0	COC ₆ H ₅	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H
1196	0	COC ₆ H ₅	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	COC ₆ H ₅
1197	0	CO(<i>p</i> -CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H
1198	0	CO(<i>p</i> -CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	CO(<i>p</i> -CH ₃)C ₆ H ₄
1199	0	CO(<i>o</i> -CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H
1200	0	CO(<i>o</i> -CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	CO(<i>o</i> -CH ₃)C ₆ H ₄
1201	0	CO-cyclohexyl	H	H	H	H	H	H	H
1202	0	CO-cyclohexyl	H	H	H	H	H	H	CO-cyclohexyl
1203	0	CO-cyclohexyl	H	H	CO-cyclohexyl	H	H	H	CO-cyclohexyl
1204	0	CO-cyclohexyl	H	H	CO-cyclohexyl	CO-cyclohexyl	H	H	CO-cyclohexyl
1205	CO	COCH ₃	H	H	H	H	H	H	H
1206	CO	COCH ₃	H	H	H	H	H	H	COCH ₃
1207	CO	COCH ₃	H	COCH ₃	H	H	H	H	COCH ₃
1208	CO	COCH ₃	H	COCH ₃	COCH ₃	H	H	H	COCH ₃
1209	CO	COC ₂ H ₅	H	H	H	H	H	H	H
1210	CO	COC ₂ H ₅	H	H	H	H	H	H	COC ₂ H ₅
1211	CO	COC ₂ H ₅	H	H	COC ₂ H ₅	H	H	H	COC ₂ H ₅
1212	CO	COC ₂ H ₅	H	H	COC ₂ H ₅	H	H	H	COC ₂ H ₅

Table 1] (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1213	CO	CO ^v C ₃ H ₇	H	H	H	H	H	H	H	H
1214	CO	CO ^v C ₃ H ₇	H	H	H	H	H	H	H	CO ^v C ₃ H ₇
1215	CO	CO ^v C ₃ H ₇	H	H	CO ^v C ₃ H ₇	H	H	H	H	CO ^v C ₃ H ₇
1216	CO	CO ^v C ₃ H ₇	H	H	CO ^v C ₃ H ₇	H	H	H	H	CO ^v C ₃ H ₇
1217	CO	CO ⁱ C ₃ H ₇	H	H	H	H	H	H	H	H
1218	CO	CO ⁱ C ₃ H ₇	H	H	H	H	H	H	H	CO ⁱ C ₃ H ₇
1219	CO	CO ⁱ C ₃ H ₇	H	H	CO ⁱ C ₃ H ₇	H	H	H	H	CO ⁱ C ₃ H ₇
1220	CO	CO ⁱ C ₃ H ₇	H	H	CO ⁱ C ₃ H ₇	CO ⁱ C ₃ H ₇	H	H	H	CO ⁱ C ₃ H ₇
1221	CO	CO ^v C ₄ H ₉	H	H	H	H	H	H	H	H
1222	CO	CO ^v C ₄ H ₉	H	H	H	H	H	H	H	CO ^v C ₄ H ₉
1223	CO	CO ^v C ₄ H ₉	H	H	CO ^v C ₄ H ₉	H	H	H	H	CO ^v C ₄ H ₉
1224	CO	CO ^v C ₄ H ₉	H	H	CO ^v C ₄ H ₉	CO ^v C ₄ H ₉	H	H	H	CO ^v C ₄ H ₉
1225	CO	CO ⁱ C ₄ H ₉	H	H	H	H	H	H	H	H
1226	CO	CO ⁱ C ₄ H ₉	H	H	H	H	H	H	H	CO ⁱ C ₄ H ₉
1227	CO	CO ⁱ C ₄ H ₉	H	H	CO ⁱ C ₄ H ₉	H	H	H	H	CO ⁱ C ₄ H ₉
1228	CO	CO ⁱ C ₄ H ₉	H	H	CO ⁱ C ₄ H ₉	CO ⁱ C ₄ H ₉	H	H	H	CO ⁱ C ₄ H ₉
1229	CO	CO ^v C ₄ H ₉	H	H	H	H	H	H	H	H
1230	CO	CO ^v C ₄ H ₉	H	H	H	H	H	H	H	CO ^v C ₄ H ₉
1231	CO	CO ^v C ₄ H ₉	H	H	CO ^v C ₄ H ₉	H	H	H	H	CO ^v C ₄ H ₉
1232	CO	CO ^v C ₄ H ₉	H	H	CO ^v C ₄ H ₉	CO ^v C ₄ H ₉	H	H	H	CO ^v C ₄ H ₉

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1233	CO	CO' C ₆ H ₅	H	H	H	H	H	H	H	H
1234	CO	CO' C ₆ H ₅	H	H	H	H	H	H	H	CO'C ₆ H ₅
1235	CO	CO' C ₆ H ₅	H	H	CO' C ₆ H ₅	H	H	H	H	CO'C ₆ H ₅
1236	CO	CO' C ₆ H ₅	H	H	CO' C ₆ H ₅	CO' C ₆ H ₅	H	H	H	CO'C ₆ H ₅
1237	CO	COCH ₂ CH=CH ₂	H	H	H	H	H	H	H	H
1238	CO	COCH ₂ CH=CH ₂	H	H	H	H	H	H	H	COCH ₂ CH=CH ₂
1239	CO	COCH ₂ CH=CH ₂	H	H	COCH ₂ CH=CH ₂	H	H	H	H	COCH ₂ CH=CH ₂
1240	CO	COCH ₂ CH=CH ₂	H	H	COCH ₂ CH=CH ₂	COCH ₂ CH=CH ₂	H	H	H	COCH ₂ CH=CH ₂
1241	CO	COC ₆ H ₅	H	H	H	H	H	H	H	H
1242	CO	COC ₆ H ₅	H	H	H	H	H	H	H	COC ₆ H ₅
1243	CO	COC ₆ H ₅	H	H	COC ₆ H ₅	H	H	H	H	COC ₆ H ₅
1244	CO	COC ₆ H ₅	H	H	COC ₆ H ₅	COC ₆ H ₅	H	H	H	COC ₆ H ₅
1245	CO	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H	H
1246	CO	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H	CO(p-CH ₃)C ₆ H ₄
1247	CO	CO(p-CH ₃)C ₆ H ₄	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	CO(p-CH ₃)C ₆ H ₄
1248	CO	CO(p-CH ₃)C ₆ H ₄	H	H	CO(p-CH ₃)C ₆ H ₄	CO(p-CH ₃)C ₆ H ₄	H	H	H	CO(p-CH ₃)C ₆ H ₄
1249	CO	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H	H
1250	CO	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H	CO(o-CH ₃)C ₆ H ₄
1251	CO	CO(o-CH ₃)C ₆ H ₄	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	CO(o-CH ₃)C ₆ H ₄
1252	CO	CO(o-CH ₃)C ₆ H ₄	H	H	CO(o-CH ₃)C ₆ H ₄	CO(o-CH ₃)C ₆ H ₄	H	H	H	CO(o-CH ₃)C ₆ H ₄

Table 1 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1253	CO	COCH ₂ C ₆ H ₅	H	H	H	H	H	H	H
1254	CO	COCH ₂ C ₆ H ₅	H	H	H	H	H	COCH ₂ C ₆ H ₅	
1255	CO	COCH ₂ C ₆ H ₅	H	H	COCH ₂ C ₆ H ₅	H	H	COCH ₂ C ₆ H ₅	
1256	CO	COCH ₂ C ₆ H ₅	H	H	COCH ₂ C ₆ H ₅	COCH ₂ C ₆ H ₅	H	COCH ₂ C ₆ H ₅	
1257	CO	COC ₆ H ₅	H	H	CH ₃	CH ₃	H	H	H
1258	CO	COC ₆ H ₅	H	H	CH ₃	CH ₃	H	H	COC ₆ H ₅
1259	CO	CO(p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	H
1260	CO	CO(p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	CO(p-CH ₃)C ₆ H ₄
1261	CO	CO(o-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	H
1262	CO	CO(o-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	CO(o-CH ₃)C ₆ H ₄
1263	CO	COC ₆ H ₅	H	CH ₃	H	H	CH ₃	H	H
1264	CO	COC ₆ H ₅	H	CH ₃	H	H	CH ₃	H	COC ₆ H ₅
1265	CO	CO(p-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	H
1266	CO	CO(p-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	CO(p-CH ₃)C ₆ H ₄
1267	CO	CO(o-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	H
1268	CO	CO(o-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	CO(o-CH ₃)C ₆ H ₄
1269	CO	COC ₆ H ₅	H	H	C ₁	C ₁	C ₁	C ₁	COC ₆ H ₅
1270	CO	COC ₆ H ₅	H	H	C ₁	C ₁	C ₁	C ₁	CO(p-CH ₃)C ₆ H ₄
1271	CO	CO(p-CH ₃)C ₆ H ₄	H	H	C ₁	C ₁	C ₁	C ₁	CO(p-CH ₃)C ₆ H ₄
1272	CO	CO(p-CH ₃)C ₆ H ₄	H	H	C ₁	C ₁	C ₁	C ₁	CO(p-CH ₃)C ₆ H ₄

Table 1] (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1273	CO	CO(<i>o</i> -CH ₃)C ₆ H ₄	H	H	C1	C1	H	H	H	H
1274	CO	CO(<i>o</i> -CH ₃)C ₆ H ₄	H	H	C1	C1	H	H	CO(<i>o</i> -CH ₃)C ₆ H ₄	H
1275	CO	COC ₆ H ₅	H	C1	H	H	C1	H	H	H
1276	CO	COC ₆ H ₅	H	C1	H	H	C1	H	COC ₆ H ₅	H
1277	CO	CO(<i>p</i> -CH ₃)C ₆ H ₄	H	C1	H	H	C1	H	H	H
1278	CO	CO(<i>p</i> -CH ₃)C ₆ H ₄	H	C1	H	H	C1	H	CO(<i>p</i> -CH ₃)C ₆ H ₄	H
1279	CO	CO(<i>o</i> -CH ₃)C ₆ H ₄	H	C1	H	H	C1	H	H	H
1280	CO	CO(<i>o</i> -CH ₃)C ₆ H ₄	H	C1	H	H	C1	H	CO(<i>o</i> -CH ₃)C ₆ H ₄	H
1281	CO	COC ₆ H ₅	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	H
1282	CO	COC ₆ H ₅	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	COC ₆ H ₅	H
1283	CO	CO(<i>p</i> -CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	H
1284	CO	CO(<i>p</i> -CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	CO(<i>p</i> -CH ₃)C ₆ H ₄	H
1285	CO	CO(<i>o</i> -CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	H
1286	CO	CO(<i>o</i> -CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	CO(<i>o</i> -CH ₃)C ₆ H ₄	H
1287	CO	CO-cyclohexyl	H	H	H	H	H	H	H	H
1288	CO	CO-cyclohexyl	H	H	H	H	H	H	H	CO-cyclohexyl
1289	CO	CO-cyclohexyl	H	H	CO-cyclohexyl	H	H	H	H	CO-cyclohexyl
1290	CO	CO-cyclohexyl	H	H	CO-cyclohexyl	CO-cyclohexyl	H	H	H	CO-cyclohexyl
1291	CH ₂	COCH ₃	H	H	H	H	H	H	H	H
1292	CH ₂	COCH ₃	H	H	H	H	H	H	H	COCH ₃

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1293	CH ₂	COCH ₃	H	H	COCH ₃	H	H	H	COCH ₃
1294	CH ₂	COCH ₃	H	H	COCH ₃	H	H	H	COCH ₃
1295	CH ₂	COC ₂ H ₅	H	H	H	H	H	H	
1296	CH ₂	COC ₂ H ₅	H	H	H	H	H	H	COC ₂ H ₅
1297	CH ₂	COC ₂ H ₅	H	H	COC ₂ H ₅	H	H	H	COC ₂ H ₅
1298	CH ₂	COC ₂ H ₅	H	H	COC ₂ H ₅	COC ₂ H ₅	H	H	COC ₂ H ₅
1299	CH ₂	CO ^r C ₃ H ₇	H	H	H	H	H	H	H
1300	CH ₂	CO ^r C ₃ H ₇	H	H	H	H	H	H	CO ^r C ₃ H ₇
1301	CH ₂	CO ^r C ₃ H ₇	H	H	CO ^r C ₃ H ₇	H	H	H	CO ^r C ₃ H ₇
1302	CH ₂	CO ^r C ₃ H ₇	H	H	CO ^r C ₃ H ₇	CO ^r C ₃ H ₇	H	H	CO ^r C ₃ H ₇
1303	CH ₂	CO ⁱ C ₃ H ₇	H	H	H	H	H	H	H
1304	CH ₂	CO ⁱ C ₃ H ₇	H	H	H	H	H	H	CO ⁱ C ₃ H ₇
1305	CH ₂	CO ⁱ C ₃ H ₇	H	H	CO ⁱ C ₃ H ₇	H	H	H	CO ⁱ C ₃ H ₇
1306	CH ₂	CO ⁱ C ₃ H ₇	H	H	CO ⁱ C ₃ H ₇	CO ⁱ C ₃ H ₇	H	H	CO ⁱ C ₃ H ₇
1307	CH ₂	CO ^r C ₄ H ₉	H	H	H	H	H	H	H
1308	CH ₂	CO ^r C ₄ H ₉	H	H	H	H	H	H	CO ^r C ₄ H ₉
1309	CH ₂	CO ^r C ₄ H ₉	H	H	CO ^r C ₄ H ₉	H	H	H	CO ^r C ₄ H ₉
1310	CH ₂	CO ^r C ₄ H ₉	H	H	CO ^r C ₄ H ₉	CO ^r C ₄ H ₉	H	H	CO ^r C ₄ H ₉
1311	CH ₂	CO ⁱ C ₄ H ₉	H	H	H	H	H	H	H
1312	CH ₂	CO ⁱ C ₄ H ₉	H	H	H	H	H	H	CO ⁱ C ₄ H ₉

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1313	CH ₂	CO ⁱ C ₆ H ₅	H	H	CO ^s C ₆ H ₅	H	H	H	CO C ₆ H ₅
1314	CH ₂	CO ^t C ₆ H ₅	H	H	CO ⁱ C ₆ H ₅	CO ⁱ C ₆ H ₅	H	H	CO ⁱ C ₆ H ₅
1315	CH ₂	CO ^s C ₆ H ₅	H	H	H	H	H	H	H
1316	CH ₂	CO ^s C ₆ H ₅	H	H	H	H	H	H	CO ^s C ₆ H ₅
1317	CH ₂	CO ^s C ₆ H ₅	H	H	CO ^s C ₆ H ₅	H	H	H	CO ^s C ₆ H ₅
1318	CH ₂	CO ^s C ₆ H ₅	H	H	CO ^s C ₆ H ₅	CO ^v C ₆ H ₅	H	H	CO ^v C ₆ H ₅
1319	CH ₂	CO ^t C ₆ H ₅	H	H	H	H	H	H	H
1320	CH ₂	CO ^t C ₆ H ₅	H	H	H	H	H	H	CO C ₆ H ₅
1321	CH ₂	CO ^t C ₆ H ₅	H	H	CO ⁱ C ₆ H ₅	H	H	H	CO C ₆ H ₅
1322	CH ₂	CO ^t C ₆ H ₅	H	H	CO ⁱ C ₆ H ₅	CO ⁱ C ₆ H ₅	H	H	CO ⁱ C ₆ H ₅
1323	CH ₂	COCH ₂ CH=CH ₂	H	H	H	H	H	H	H
1324	CH ₂	COCH ₂ CH=CH ₂	H	H	H	H	H	H	COCH ₂ CH=CH ₂
1325	CH ₂	COCH ₂ CH=CH ₂	H	H	COCH ₂ CH=CH ₂	H	H	H	COCH ₂ CH=CH ₂
1326	CH ₂	COCH ₂ CH=CH ₂	H	H	COCH ₂ CH=CH ₂	COCH ₂ CH=CH ₂	H	H	COCH ₂ CH=CH ₂
1327	CH ₂	COC ₆ H ₅	H	H	H	H	H	H	H
1328	CH ₂	COC ₆ H ₅	H	H	H	H	H	H	COC ₆ H ₅
1329	CH ₂	COC ₆ H ₅	H	H	COC ₆ H ₅	H	H	H	COC ₆ H ₅
1330	CH ₂	COC ₆ H ₅	H	H	COC ₆ H ₅	COC ₆ H ₅	H	H	COC ₆ H ₅
1331	CH ₂	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H
1332	CH ₂	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	CO(p-CH ₃)C ₆ H ₄

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1333	CH ₂	CO(p-CH ₃)C ₆ H ₄	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	C0(p-CH ₃)C ₆ H ₄	
1334	CH ₂	CO(p-CH ₃)C ₆ H ₄	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	C0(p-CH ₃)C ₆ H ₄	
1335	CH ₂	CO(o-CH ₃)C ₆ H ₄	H	H		H	H		H
1336	CH ₂	CO(o-CH ₃)C ₆ H ₄	H	H		H	H	C0(o-CH ₃)C ₆ H ₄	
1337	CH ₂	CO(o-CH ₃)C ₆ H ₄	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	C0(o-CH ₃)C ₆ H ₄	
1338	CH ₂	CO(o-CH ₃)C ₆ H ₄	H	H	CO(o-CH ₃)C ₆ H ₄	C0(o-CH ₃)C ₆ H ₄	H	C0(o-CH ₃)C ₆ H ₄	
1339	CH ₂	COCH ₂ C ₆ H ₅	H	H		H	H		H
1340	CH ₂	COCH ₂ C ₆ H ₅	H	H		H	H	C0CH ₂ C ₆ H ₅	
1341	CH ₂	COCH ₂ C ₆ H ₅	H	H	COCH ₂ C ₆ H ₅	H	H	C0CH ₂ C ₆ H ₅	
1342	CH ₂	COCH ₂ C ₆ H ₅	H	H	COCH ₂ C ₆ H ₅	C0CH ₂ C ₆ H ₅	H	C0CH ₂ C ₆ H ₅	
1343	CH ₂	COC ₆ H ₅	H	H	CH ₃	CH ₃	H		H
1344	CH ₂	COC ₆ H ₅	H	H	CH ₃	CH ₃	H	C0C ₆ H ₅	
1345	CH ₂	CO(p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H		H
1346	CH ₂	CO(p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	C0(p-CH ₃)C ₆ H ₄	
1347	CH ₂	CO(o-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H		H
1348	CH ₂	CO(o-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	C0(o-CH ₃)C ₆ H ₄	
1349	CH ₂	COC ₆ H ₅	H	CH ₃	H		H	CH ₃	H
1350	CH ₂	COC ₆ H ₅	H	CH ₃	H		H	CH ₃	C0C ₆ H ₅
1351	CH ₂	CO(p-CH ₃)C ₆ H ₄	H	CH ₃	H		H	CH ₃	H
1352	CH ₂	CO(p-CH ₃)C ₆ H ₄	H	CH ₃	H		H	CH ₃	C0(p-CH ₃)C ₆ H ₄

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1353	CH ₂	CO(<i>o</i> -CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	H
1354	CH ₂	CO(<i>o</i> -CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	CO(<i>o</i> -CH ₃)C ₆ H ₄
1355	CH ₂	COC ₆ H ₅	H	H	C1	C1	H	H	H
1356	CH ₂	COC ₆ H ₅	H	H	C1	C1	H	H	COC ₆ H ₅
1357	CH ₂	CO(<i>p</i> -CH ₃)C ₆ H ₄	H	H	C1	C1	H	H	H
1358	CH ₂	CO(<i>p</i> -CH ₃)C ₆ H ₄	H	H	C1	C1	H	H	CO(<i>p</i> -CH ₃)C ₆ H ₄
1359	CH ₂	CO(<i>o</i> -CH ₃)C ₆ H ₄	H	H	C1	C1	H	H	H
1360	CH ₂	CO(<i>o</i> -CH ₃)C ₆ H ₄	H	H	C1	C1	H	H	CO(<i>o</i> -CH ₃)C ₆ H ₄
1361	CH ₂	COC ₆ H ₅	H	C1	H	H	C1	H	H
1362	CH ₂	COC ₆ H ₅	H	C1	H	H	C1	H	COC ₆ H ₅
1363	CH ₂	CO(<i>p</i> -CH ₃)C ₆ H ₄	H	C1	H	H	C1	H	H
1364	CH ₂	CO(<i>p</i> -CH ₃)C ₆ H ₄	H	C1	H	H	C1	H	CO(<i>p</i> -CH ₃)C ₆ H ₄
1365	CH ₂	CO(<i>o</i> -CH ₃)C ₆ H ₄	H	C1	H	H	C1	H	H
1366	CH ₂	CO(<i>o</i> -CH ₃)C ₆ H ₄	H	C1	H	H	C1	H	CO(<i>o</i> -CH ₃)C ₆ H ₄
1367	CH ₂	COC ₆ H ₅	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H
1368	CH ₂	COC ₆ H ₅	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	COC ₆ H ₅
1369	CH ₂	CO(<i>p</i> -CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H
1370	CH ₂	CO(<i>p</i> -CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	CO(<i>p</i> -CH ₃)C ₆ H ₄
1371	CH ₂	CO(<i>o</i> -CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	CO(<i>o</i> -CH ₃)C ₆ H ₄
1372	CH ₂	CO(<i>o</i> -CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	CO(<i>o</i> -CH ₃)C ₆ H ₄

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1373	CH ₂	CO-cyclohexyl	H	H	H	H	H	H	H
1374	CH ₂	CO-cyclohexyl	H	H	H	H	H	H	H
1375	CH ₂	CO-cyclohexyl	H	H	CO-cyclohexyl	H	H	H	CO-cyclohexyl
1376	CH ₂	CO-cyclohexyl	H	H	CO-cyclohexyl	H	H	H	CO-cyclohexyl
1377	CH ₃ CCH ₃	COCH ₃	H	H	H	H	H	H	H
1378	CH ₃ CCH ₃	COCH ₃	H	H	H	H	H	H	COCH ₃
1379	CH ₃ CCH ₃	COCH ₃	H	H	COCH ₃	H	H	H	COCH ₃
1380	CH ₃ CCH ₃	COCH ₃	H	H	COCH ₃	COCH ₃	H	H	COCH ₃
1381	CH ₃ CCH ₃	COC ₂ H ₅	H	H	H	H	H	H	H
1382	CH ₃ CCH ₃	COC ₂ H ₅	H	H	H	H	H	H	OOC ₂ H ₅
1383	CH ₃ CCH ₃	COC ₂ H ₅	H	H	COC ₂ H ₅	H	H	H	OOC ₂ H ₅
1384	CH ₃ CCH ₃	COC ₂ H ₆	H	H	COC ₂ H ₆	COC ₂ H ₅	H	H	OOC ₂ H ₅
1385	CH ₃ CCH ₃	CO ^a C ₃ H ₇	H	H	H	H	H	H	H
1386	CH ₃ CCH ₃	CO ^a C ₃ H ₇	H	H	H	H	H	H	O ^a C ₃ H ₇
1387	CH ₃ CCH ₃	CO ^a C ₃ H ₇	H	H	CO ^a C ₃ H ₇	H	H	H	O ^a C ₃ H ₇
1388	CH ₃ CCH ₃	CO ^a C ₃ H ₇	H	H	CO ^a C ₃ H ₇	CO ^a C ₃ H ₇	H	H	CO ^a C ₃ H ₇
1389	CH ₃ CCH ₃	CO ^a C ₃ H ₇	H	H	H	H	H	H	H
1390	CH ₃ CCH ₃	CO ^a C ₃ H ₇	H	H	H	H	H	H	CO ^a C ₃ H ₇
1391	CH ₃ CCH ₃	CO ^a C ₃ H ₇	H	H	CO ^a C ₃ H ₇	H	H	H	CO ^a C ₃ H ₇
1392	CH ₃ CCH ₃	CO ^a C ₃ H ₇	H	H	CO ^a C ₃ H ₇	CO ^a C ₃ H ₇	H	H	CO ^a C ₃ H ₇

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1393	CH ₃ CCH ₃	CO ^o C ₄ H ₉	H	H	H	H	H	H	H	H
1394	CH ₃ OCH ₃	CO ^o C ₄ H ₉	H	H	H	H	H	H	CO ^o C ₄ H ₉	
1395	CH ₃ OCCH ₃	CO ^o C ₄ H ₉	H	H	CO ^o C ₄ H ₉	H	H	H	CO ^o C ₄ H ₉	
1396	CH ₃ OCCH ₃	CO ^o C ₄ H ₉	H	H	CO ^o C ₄ H ₉	CO ^o C ₄ H ₉	H	H	CO ^o C ₄ H ₉	
1397	CH ₃ OCCH ₃	CO ^o C ₄ H ₉	H	H	H	H	H	H	H	H
1398	CH ₃ OCCH ₃	CO ^o C ₄ H ₉	H	H	H	H	H	H	CO ^o C ₄ H ₉	
1399	CH ₃ OCCH ₃	CO ^o C ₄ H ₉	H	H	CO ^o C ₄ H ₉	H	H	H	CO ^o C ₄ H ₉	
1400	CH ₃ OCH ₃	CO ^o C ₄ H ₉	H	H	CO ^o C ₄ H ₉	CO ^o C ₄ H ₉	H	H	CO ^o C ₄ H ₉	
1401	CH ₃ OCCH ₃	CO ^o C ₄ H ₉	H	H	H	H	H	H	H	H
1402	CH ₃ OCCH ₃	CO ^o C ₄ H ₉	H	H	H	H	H	H	CO ^o C ₄ H ₉	
1403	CH ₃ OCCH ₃	CO ^o C ₄ H ₉	H	H	CO ^o C ₄ H ₉	H	H	H	CO ^o C ₄ H ₉	
1404	CH ₃ OCCH ₃	CO ^o C ₄ H ₉	H	H	CO ^o C ₄ H ₉	CO ^o C ₄ H ₉	H	H	CO ^o C ₄ H ₉	
1405	CH ₃ OCCH ₃	CO ^o C ₄ H ₉	H	H	H	H	H	H	H	H
1406	CH ₃ OCCH ₃	CO ^o C ₄ H ₉	H	H	H	H	H	H	CO ^o C ₄ H ₉	
1407	CH ₃ OCCH ₃	CO ^o C ₄ H ₉	H	H	CO ^o C ₄ H ₉	H	H	H	CO ^o C ₄ H ₉	
1408	CH ₃ OCCH ₃	CO ^o C ₄ H ₉	H	H	CO ^o C ₄ H ₉	CO ^o C ₄ H ₉	H	H	CO ^o C ₄ H ₉	
1409	CH ₃ OCCH ₃	COCH ₂ CH=CH ₂	H	H	H	H	H	H	H	H
1410	CH ₃ OCCH ₃	COCH ₂ CH=CH ₂	H	H	H	H	H	H	COCH ₂ CH=CH ₂	
1411	CH ₃ OCCH ₃	COCH ₂ CH=CH ₂	H	H	COCH ₂ CH=CH ₂	H	H	H	COCH ₂ CH=CH ₂	
1412	CH ₃ OCCH ₃	COCH ₂ CH=CH ₂	H	H	COCH ₂ CH=CH ₂	COCH ₂ CH=CH ₂	H	H	COCH ₂ CH=CH ₂	

Table 1.1 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1413	CH ₃ CCH ₃	COC ₆ H ₅	H	H	H	H	H	H	H
1414	CH ₃ CCH ₃	COC ₆ H ₅	H	H	H	H	H	H	H
1415	CH ₃ CCH ₃	COC ₆ H ₅	H	H	COC ₆ H ₅	H	H	H	COC ₆ H ₅
1416	CH ₃ CCH ₃	COC ₆ H ₅	H	H	COC ₆ H ₅	H	H	H	COC ₆ H ₅
1417	CH ₃ CCH ₃	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H
1418	CH ₃ CCH ₃	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	H	O(p-CH ₃)C ₆ H ₄	
1419	CH ₃ CCH ₃	CO(p-CH ₃)C ₆ H ₄	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	O(p-CH ₃)C ₆ H ₄	
1420	CH ₃ CCH ₃	CO(p-CH ₃)C ₆ H ₄	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	O(p-CH ₃)C ₆ H ₄	
1421	CH ₃ CCH ₃	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H
1422	CH ₃ CCH ₃	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	H	O(o-CH ₃)C ₆ H ₄	
1423	CH ₃ CCH ₃	CO(o-Cl ₃)C ₆ H ₄	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	O(o-CH ₃)C ₆ H ₄	
1424	CH ₃ CCH ₃	CO(o-CH ₃)C ₆ H ₄	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	O(o-CH ₃)C ₆ H ₄	
1425	CH ₃ CCH ₃	COCH ₂ C ₆ H ₅	H	H	H	H	H	H	H
1426	CH ₃ CCH ₃	COCH ₂ C ₆ H ₅	H	H	H	H	H	COCH ₂ C ₆ H ₅	
1427	CH ₃ CCH ₃	COCH ₂ C ₆ H ₅	H	H	COCH ₂ C ₆ H ₅	H	H	COCH ₂ C ₆ H ₅	
1428	CH ₃ CCH ₃	COCH ₂ C ₆ H ₅	H	H	COCH ₂ C ₆ H ₅	COCH ₂ C ₆ H ₅	H	COCH ₂ C ₆ H ₅	
1429	CH ₃ CCH ₃	COC ₆ H ₅	H	H	CH ₃	CH ₃	H	H	H
1430	CH ₃ CCH ₃	COC ₆ H ₅	H	H	CH ₃	CH ₃	H	COC ₆ H ₅	
1431	CH ₃ CCH ₃	CO(p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	H
1432	CH ₃ CCH ₃	CO(p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	O(p-CH ₃)C ₆ H ₄	

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1433	CH ₃ CCH ₃	CO(o-CH ₃)C ₆ H ₄	H	CH ₃	CH ₃	H	H	H	H
1434	CH ₃ CCH ₃	CO(o-CH ₃)C ₆ H ₄	H	CH ₃	CH ₃	H	H	CO(o-CH ₃)C ₆ H ₄	
1435	CH ₃ CCH ₃	COC ₆ H ₅	H	CH ₃	H	H	CH ₃	H	H
1436	CH ₃ CCH ₃	COC ₆ H ₅	H	CH ₃	H	H	CH ₃	H	COC ₆ H ₅
1437	CH ₃ CCH ₃	CO(p-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	H
1438	CH ₃ CCH ₃	CO(p-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	CO(p-CH ₃)C ₆ H ₄
1439	CH ₃ CCH ₃	CO(o-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	H
1440	CH ₃ CCH ₃	CO(o-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	CO(o-CH ₃)C ₆ H ₄
1441	CH ₃ CCH ₃	COC ₆ H ₅	H	CH ₃	CH ₃	H	CH ₃	H	H
1442	CH ₃ CCH ₃	COC ₆ H ₅	H	CH ₃	CH ₃	H	CH ₃	H	COC ₆ H ₅
1443	CH ₃ CCH ₃	CO(p-CH ₃)C ₆ H ₄	H	CH ₃	CH ₃	H	CH ₃	H	H
1444	CH ₃ CCH ₃	CO(p-CH ₃)C ₆ H ₄	H	CH ₃	CH ₃	H	CH ₃	H	CO(p-CH ₃)C ₆ H ₄
1445	CH ₃ CCH ₃	CO(o-CH ₃)C ₆ H ₄	H	CH ₃	CH ₃	H	CH ₃	H	H
1446	CH ₃ CCH ₃	CO(o-CH ₃)C ₆ H ₄	H	CH ₃	CH ₃	H	CH ₃	H	CO(o-CH ₃)C ₆ H ₄
1447	CH ₃ CCH ₃	COC ₆ H ₅	H	CH ₃	CH ₃	H	CH ₃	H	H
1448	CH ₃ CCH ₃	COC ₆ H ₅	H	CH ₃	CH ₃	H	CH ₃	H	COC ₆ H ₅
1449	CH ₃ CCH ₃	CO(p-CH ₃)C ₆ H ₄	H	CH ₃	CH ₃	H	CH ₃	H	H
1450	CH ₃ CCH ₃	CO(p-CH ₃)C ₆ H ₄	H	CH ₃	CH ₃	H	CH ₃	H	CO(p-CH ₃)C ₆ H ₄
1451	CH ₃ CCH ₃	CO(o-CH ₃)C ₆ H ₄	H	CH ₃	CH ₃	H	CH ₃	H	H
1452	CH ₃ CCH ₃	CO(o-CH ₃)C ₆ H ₄	H	CH ₃	CH ₃	H	CH ₃	H	CO(o-CH ₃)C ₆ H ₄

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1453	CH ₃ CCH ₃	COC ₆ H ₅	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H
1454	CH ₃ CCH ₃	COC ₆ H ₅	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	COC ₆ H ₅
1455	CH ₃ CCH ₃	CO(p-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H
1456	CH ₃ CCH ₃	CO(p-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	CO(p-CH ₃)C ₆ H ₄
1457	CH ₃ CCH ₃	CO(o-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H
1458	CH ₃ CCH ₃	CO(o-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	CO(o-CH ₃)C ₆ H ₄
1459	CH ₃ CCH ₃	CO-cyclohexyl	H	H	H	H	H	H	H
1460	CH ₃ CCH ₃	CO-cyclohexyl	H	H	H	H	H	H	CO-cyclohexyl
1461	CH ₃ CCH ₃	CO-cyclohexyl	H	H	CO-cyclohexyl	H	H	H	CO-cyclohexyl
1462	CH ₃ CCH ₃	CO-cyclohexyl	H	H	CO-cyclohexyl	H	H	H	CO-cyclohexyl
1463	CH ₃ CC(CH ₃) ₃	COCH ₃	H	H	CO-cyclohexyl	H	H	H	CO-cyclohexyl
1464	CH ₃ CC(CH ₃) ₃	COCH ₃	H	H	H	H	H	H	H
1465	CH ₃ CC(CH ₃) ₃	COCH ₃	H	H	COCH ₃	H	H	H	COCH ₃
1466	CH ₃ CC(CH ₃) ₃	COCH ₃	H	H	COCH ₃	COCH ₃	H	H	COCH ₃
1467	CH ₃ CC(CH ₃) ₃	COCH ₂ H ₅	H	H	H	H	H	H	H
1468	CH ₃ CC(CH ₃) ₃	COCH ₂ H ₅	H	H	H	H	H	H	COC ₂ H ₅
1469	CH ₃ CC(CH ₃) ₃	COCH ₂ H ₅	H	H	COCH ₂ H ₅	H	H	H	COC ₂ H ₅
1470	CH ₃ CC(CH ₃) ₃	COCH ₂ H ₅	H	H	COCH ₂ H ₅	H	H	H	COC ₂ H ₅
1471	CH ₃ CC(CH ₃) ₃	COCH ₃ H ₇	H	H	H	H	H	H	H
1472	CH ₃ CC(CH ₃) ₃	COCH ₃ H ₇	H	H	H	H	H	H	CO ⁿ C ₂ H ₇

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1473	CH ₃ CC(CH ₃) ₃	CO ⁱ C ₃ H ₇	H	H	CO ^s C ₃ H ₇	H	H	H	CO ^s C ₃ H ₇
1474	CH ₃ CC(CH ₃) ₃	CO ^s C ₃ H ₇	H	H	CO ^v C ₃ H ₇	H	H	H	CO ^v C ₃ H ₇
1475	CH ₃ CC(CH ₃) ₃	CO ⁱ C ₃ H ₇	H	H	H	H	H	H	H
1476	CH ₃ CC(CH ₃) ₃	CO ⁱ C ₃ H ₇	H	H	H	H	H	H	CO ⁱ C ₃ H ₇
1477	CH ₃ CC(CH ₃) ₃	CO ⁱ C ₃ H ₇	H	H	CO ⁱ C ₃ H ₇	H	H	H	CO ⁱ C ₃ H ₇
1478	CH ₃ CC(CH ₃) ₃	CO ⁱ C ₃ H ₇	H	H	CO ⁱ C ₃ H ₇	CO ^s C ₃ H ₇	H	H	CO ^s C ₃ H ₇
1479	CH ₃ CC(CH ₃) ₃	CO ^s C ₄ H ₉	H	H	H	H	H	H	H
1480	CH ₃ CC(CH ₃) ₃	CO ^s C ₄ H ₉	H	H	H	H	H	H	CO ^s C ₄ H ₉
1481	CH ₃ CC(CH ₃) ₃	CO ⁱ C ₄ H ₉	H	H	CO ^s C ₄ H ₉	H	H	H	CO ^s C ₄ H ₉
1482	CH ₃ CC(CH ₃) ₃	CO ^s C ₄ H ₉	H	H	CO ^v C ₄ H ₉	CO ^s C ₄ H ₉	H	H	CO ^v C ₄ H ₉
1483	CH ₃ CC(CH ₃) ₃	CO ⁱ C ₄ H ₉	H	H	H	H	H	H	H
1484	CH ₃ CC(CH ₃) ₃	CO ⁱ C ₄ H ₉	H	H	H	H	H	H	CO ⁱ C ₄ H ₉
1485	CH ₃ CC(CH ₃) ₃	CO ⁱ C ₄ H ₉	H	H	CO ^v C ₄ H ₉	H	H	H	CO ^v C ₄ H ₉
1486	CH ₃ CC(CH ₃) ₃	CO ⁱ C ₄ H ₉	H	H	CO ^v C ₄ H ₉	CO ^s C ₄ H ₉	H	H	CO ^s C ₄ H ₉
1487	CH ₃ CC(CH ₃) ₃	CO ⁱ C ₄ H ₉	H	H	H	H	H	H	H
1488	CH ₃ CC(CH ₃) ₃	CO ⁱ C ₄ H ₉	H	H	H	H	H	H	CO ^s C ₄ H ₉
1489	CH ₃ CC(CH ₃) ₃	CO ^s C ₄ H ₉	H	H	CO ^v C ₄ H ₉	H	H	H	CO ^v C ₄ H ₉
1490	CH ₃ CC(CH ₃) ₃	CO ^s C ₄ H ₉	H	H	CO ^v C ₄ H ₉	CO ^s C ₄ H ₉	H	H	CO ^s C ₄ H ₉
1491	CH ₃ CC(CH ₃) ₃	CO ⁱ C ₄ H ₉	H	H	H	H	H	H	H
1492	CH ₃ CC(CH ₃) ₃	CO ⁱ C ₄ H ₉	H	H	H	H	H	H	CO ⁱ C ₄ H ₉

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1493	CH ₃ CC(CH ₃) ₃	CO'C ₄ H ₉	H	H	CO'C ₄ H ₉	H	H	H	CO'C ₄ H ₉
1494	CH ₃ CC(CH ₃) ₃	CO'C ₄ H ₉	H	H	CO'C ₄ H ₉	COC ₄ H ₉	H	H	CO'C ₄ H ₉
1495	CH ₃ CC(CH ₃) ₃	COCH ₂ CH=CH ₂	H	H	H	H	H	H	H
1496	CH ₃ CC(CH ₃) ₃	COCH ₂ CH=CH ₂	H	H	H	H	H	H	COCH ₂ CH=CH ₂
1497	CH ₃ CC(CH ₃) ₃	COCH ₂ CH=C ₂ H ₅	H	H	COCH ₂ CH=CH ₂	H	H	H	COCH ₂ CH=CH ₂
1498	CH ₃ CC(CH ₃) ₃	COCH ₂ CH=CH ₂	H	H	COCH ₂ CH=CH ₂	COC ₄ H ₉	H	H	COCH ₂ CH=CH ₂
1499	CH ₃ CC(CH ₃) ₃	COC ₆ H ₅	H	H	H	H	H	H	H
1500	CH ₃ CC(CH ₃) ₃	COC ₆ H ₅	H	H	H	H	H	H	COC ₆ H ₅
1501	CH ₃ CC(CH ₃) ₃	COC ₆ H ₅	H	H	COC ₆ H ₅	H	H	H	COC ₆ H ₅
1502	CH ₃ CC(CH ₃) ₃	COC ₆ H ₅	H	H	COC ₆ H ₅	COC ₆ H ₅	H	H	COC ₆ H ₅
1503	CH ₃ CC(CH ₃) ₃	CO(p-Cl ₃)C ₆ H ₄	H	H	H	H	H	H	H
1504	CH ₃ CC(CH ₃) ₃	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	CO(p-CH ₃)C ₆ H ₄
1505	CH ₃ CC(CH ₃) ₃	CO(p-CH ₃)C ₆ H ₄	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H	CO(p-CH ₃)C ₆ H ₄
1506	CH ₃ CC(CH ₃) ₃	CO(p-CH ₃)C ₆ H ₄	H	H	CO(p-CH ₃)C ₆ H ₄	CO(p-CH ₃)C ₆ H ₄	H	H	CO(p-CH ₃)C ₆ H ₄
1507	CH ₃ CC(CH ₃) ₃	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H
1508	CH ₃ CC(CH ₃) ₃	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	CO(o-CH ₃)C ₆ H ₄
1509	CH ₃ CC(CH ₃) ₃	CO(o-CH ₃)C ₆ H ₄	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H	CO(o-CH ₃)C ₆ H ₄
1510	CH ₃ CC(CH ₃) ₃	CO(o-CH ₃)C ₆ H ₄	H	H	CO(o-CH ₃)C ₆ H ₄	CO(o-CH ₃)C ₆ H ₄	H	H	CO(o-CH ₃)C ₆ H ₄
1511	CH ₃ CC(CH ₃) ₃	COCH ₂ C ₆ H ₅	H	H	H	H	H	H	H
1512	CH ₃ CC(CH ₃) ₃	COCH ₂ C ₆ H ₅	H	H	H	H	H	H	COCH ₂ C ₆ H ₅

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1513	CH ₃ CC(CH ₃) ₃	COCH ₂ C ₆ H ₅	H	H	COCH ₂ C ₆ H ₅	H	H	H	COCH ₂ C ₆ H ₅
1514	CH ₃ CC(CH ₃) ₃	COCH ₂ C ₆ H ₅	H	H	COOH ₂ C ₆ H ₅	OOCCH ₂ C ₆ H ₅	H	H	COCH ₂ C ₆ H ₅
1515	CH ₃ CC(CH ₃) ₃	COCH ₂ H ₅	H	H	CH ₃	CH ₃	H	H	H
1516	CH ₃ CC(CH ₃) ₃	COCH ₂ H ₅	H	H	CH ₃	CH ₃	H	H	COC ₆ H ₅
1517	CH ₃ CC(CH ₃) ₃	CO(p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	H
1518	CH ₃ CC(CH ₃) ₃	CO(p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	OO(p-CH ₃)C ₆ H ₄
1519	CH ₃ CC(CH ₃) ₃	CO(o-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	H
1520	CH ₃ CC(CH ₃) ₃	CO(o-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	OO(o-CH ₃)C ₆ H ₄
1521	CH ₃ CC(CH ₃) ₃	COCH ₂ H ₅	H	H	CH ₃	CH ₃	H	H	H
1522	CH ₃ CC(CH ₃) ₃	COCH ₂ H ₅	H	H	CH ₃	CH ₃	H	H	COCH ₂ H ₅
1523	CH ₃ CC(CH ₃) ₃	CO(p-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	H
1524	CH ₃ CC(CH ₃) ₃	CO(p-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	OO(p-CH ₃)C ₆ H ₄
1525	CH ₃ CC(CH ₃) ₃	CO(o-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	H
1526	CH ₃ CC(CH ₃) ₃	CO(o-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	OO(o-CH ₃)C ₆ H ₄
1527	CH ₃ CC(CH ₃) ₃	COCH ₂ H ₅	H	H	CH ₃	CH ₃	H	H	H
1528	CH ₃ CC(CH ₃) ₃	COCH ₂ H ₅	H	H	CH ₃	CH ₃	H	H	COCH ₂ H ₅
1529	CH ₃ CC(CH ₃) ₃	CO(p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	H
1530	CH ₃ CC(CH ₃) ₃	CO(p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	CO(p-CH ₃)C ₆ H ₄
1531	CH ₃ CC(CH ₃) ₃	CO(o-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	H
1532	CH ₃ CC(CH ₃) ₃	CO(o-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	CO(o-CH ₃)C ₆ H ₄

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1533	CH ₃ CC(CH ₃) ₃	COCH ₃ H ₆	H	C1	H	H	C1	H	H	H
1534	CH ₃ CC(CH ₃) ₃	COCH ₃ H ₆	H	C1	H	H	C1	H	H	COCH ₃ H ₆
1535	CH ₃ CC(CH ₃) ₃	CO(p-Cl ₃)C ₆ H ₄	H	C1	H	H	C1	H	H	H
1536	CH ₃ CC(CH ₃) ₃	CO(p-Cl ₃)C ₆ H ₄	H	C1	H	H	C1	H	H	CO(p-CH ₃)C ₆ H ₄
1537	CH ₃ CC(CH ₃) ₃	CO(o-Cl ₃)C ₆ H ₄	H	C1	H	H	C1	H	H	H
1538	CH ₃ CC(CH ₃) ₃	CO(o-Cl ₃)C ₆ H ₄	H	C1	H	H	C1	H	H	CO(o-Cl ₃)C ₆ H ₄
1539	CH ₃ CC(CH ₃) ₃	COCH ₃ H ₆	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	H
1540	CH ₃ CC(CH ₃) ₃	COCH ₃ H ₆	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	COCH ₃ H ₆
1541	CH ₃ CC(CH ₃) ₃	CO(p-Cl ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	H
1542	CH ₃ CC(CH ₃) ₃	CO(p-Cl ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	CO(p-CH ₃)C ₆ H ₄
1543	CH ₃ CC(CH ₃) ₃	CO(o-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	H
1544	CH ₃ CC(CH ₃) ₃	CO(o-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	CO(o-CH ₃)C ₆ H ₄
1545	CH ₃ CC(CH ₃) ₃	CO-cyclohexyl	H	H	H	H	H	H	H	H
1546	CH ₃ CC(CH ₃) ₃	CO-cyclohexyl	H	H	H	H	H	H	H	CO-cyclohexyl
1547	CH ₃ CC(CH ₃) ₃	CO-cyclohexyl	H	H	CO-cyclohexyl	H	H	H	H	CO-cyclohexyl
1548	CH ₃ CC(CH ₃) ₃	CO-cyclohexyl	H	H	CO-cyclohexyl	CO-cyclohexyl	H	H	H	CO-cyclohexyl
1549	CH ₃ CC ₂ H ₅	COCH ₃	H	H	H	H	H	H	H	H
1550	CH ₃ CC ₆ H ₅	COCH ₃	H	H	H	H	H	H	H	COCH ₃
1551	CH ₃ CC ₆ H ₅	COCH ₃	H	H	COCH ₃	H	H	H	H	COCH ₃
1552	CH ₃ CC ₆ H ₅	COCH ₃	H	H	COCH ₃	COCH ₃	H	H	H	COCH ₃

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1553	CH ₃ CC ₆ H ₅	COCH ₂ H ₅	H	H	H	H	H	H	H	H
1554	CH ₃ CC ₆ H ₅	COCH ₃ H ₅	H	H	H	H	H	H	H	COCH ₂ H ₅
1555	CH ₃ CC ₆ H ₅	COCH ₂ H ₅	H	H	COCH ₂ H ₅	H	H	H	H	COCH ₂ H ₅
1556	CH ₃ CC ₆ H ₅	COCH ₂ H ₅	H	H	COCH ₂ H ₅	H	H	H	H	COCH ₂ H ₅
1557	CH ₃ CC ₆ H ₅	CO ⁱ C ₃ H ₇	H	H	H	H	H	H	H	H
1558	CH ₃ CC ₆ H ₅	CO ^v C ₃ H ₇	H	H	H	H	H	H	H	CO ^v C ₃ H ₇
1559	CH ₃ CC ₆ H ₅	CO ^v C ₃ H ₇	H	H	CO ^v C ₃ H ₇	H	H	H	H	CO ^v C ₃ H ₇
1560	CH ₃ CC ₆ H ₅	CO ^v C ₃ H ₇	H	H	CO ^v C ₃ H ₇	CO ^v C ₃ H ₇	H	H	H	CO ^v C ₃ H ₇
1561	CH ₃ CC ₆ H ₅	CO ⁱ C ₃ H ₇	H	H	H	H	H	H	H	H
1562	CH ₃ CC ₆ H ₅	CO ⁱ C ₃ H ₇	H	H	H	H	H	H	H	CO ⁱ C ₃ H ₇
1563	CH ₃ CC ₆ H ₅	CO ⁱ C ₃ H ₇	H	H	CO ⁱ C ₃ H ₇	H	H	H	H	CO ⁱ C ₃ H ₇
1564	CH ₃ CC ₆ H ₅	CO ⁱ C ₃ H ₇	H	H	CO ⁱ C ₃ H ₇	CO ⁱ C ₃ H ₇	H	H	H	CO ⁱ C ₃ H ₇
1565	CH ₃ CC ₆ H ₅	CO ^v C ₄ H ₉	H	H	H	H	H	H	H	H
1566	CH ₃ CC ₆ H ₅	CO ^v C ₄ H ₉	H	H	H	H	H	H	H	CO ^v C ₄ H ₉
1567	CH ₃ CC ₆ H ₅	CO ^v C ₄ H ₉	H	H	CO ^v C ₄ H ₉	H	H	H	H	CO ^v C ₄ H ₉
1568	CH ₃ CC ₆ H ₅	CO ^v C ₄ H ₉	H	H	CO ^v C ₄ H ₉	CO ^v C ₄ H ₉	H	H	H	CO ^v C ₄ H ₉
1569	CH ₃ CC ₆ H ₅	CO ⁱ C ₄ H ₉	H	H	H	H	H	H	H	H
1570	CH ₃ CC ₆ H ₅	CO ⁱ C ₄ H ₉	H	H	CO ⁱ C ₄ H ₉	H	H	H	H	CO ⁱ C ₄ H ₉
1571	CH ₃ CC ₆ H ₅	CO ⁱ C ₄ H ₉	H	H	CO ⁱ C ₄ H ₉	CO ⁱ C ₄ H ₉	H	H	H	CO ⁱ C ₄ H ₉
1572	CH ₃ CC ₆ H ₅	CO ⁱ C ₄ H ₉	H	H	CO ⁱ C ₄ H ₉	CO ⁱ C ₄ H ₉	H	H	H	CO ⁱ C ₄ H ₉

[Table 1] (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1573	CH ₃ CC ₆ H ₅	CO'C ₆ H ₉	H	H	H	H	H	H	H	H
1574	CH ₃ CC ₆ H ₅	CO'C ₄ H ₉	H	H	H	H	H	H	H	CO'C ₄ H ₉
1575	CH ₃ CC ₆ H ₅	CO'C ₄ H ₉	H	H	CO'C ₄ H ₉	H	H	H	H	CO'C ₄ H ₉
1576	CH ₃ CC ₆ H ₅	CO'C ₄ H ₉	H	H	CO'C ₄ H ₉	H	H	H	H	CO'C ₄ H ₉
1577	CH ₃ CC ₆ H ₅	CO'C ₄ H ₉	H	H	H	H	H	H	H	H
1578	CH ₃ CC ₆ H ₅	CO'C ₄ H ₉	H	H	H	H	H	H	H	CO'C ₄ H ₉
1579	CH ₃ CC ₆ H ₅	CO'C ₄ H ₉	H	H	CO'C ₄ H ₉	H	H	H	H	CO'C ₄ H ₉
1580	CH ₃ CC ₆ H ₅	CO'C ₄ H ₉	H	H	CO'C ₄ H ₉	H	H	H	H	CO'C ₄ H ₉
1581	CH ₃ CC ₆ H ₅	COOCH ₂ CH=CH ₂	H	H	H	H	H	H	H	H
1582	CH ₃ CC ₆ H ₅	COOCH ₂ CH=CH ₂	H	H	H	H	H	H	H	COOCH ₂ CH=CH ₂
1583	CH ₃ CC ₆ H ₅	COOCH ₂ CH=CH ₂	H	H	COOCH ₂ CH=CH ₂	H	H	H	H	COOCH ₂ CH=CH ₂
1584	CH ₃ CC ₆ H ₅	COOCH ₂ CH=CH ₂	H	H	COOCH ₂ CH=CH ₂	H	H	H	H	H
1585	CH ₃ CC ₆ H ₅	COOC ₆ H ₅	H	H	H	H	H	H	H	H
1586	CH ₃ CC ₆ H ₅	COOC ₆ H ₅	H	H	H	H	H	H	H	COOC ₆ H ₅
1587	CH ₃ CC ₆ H ₅	COOC ₆ H ₅	H	H	COOC ₆ H ₅	H	H	H	H	COOC ₆ H ₅
1588	CH ₃ CC ₆ H ₅	COOC ₆ H ₅	H	H	COOC ₆ H ₅	H	H	H	H	COOC ₆ H ₅
1589	CH ₃ CC ₆ H ₅	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H	H
1590	CH ₃ CC ₆ H ₅	CO(p-CH ₃)C ₆ H ₄	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	CO(p-CH ₃)C ₆ H ₄
1591	CH ₃ CC ₆ H ₅	CO(p-CH ₃)C ₆ H ₄	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	CO(p-CH ₃)C ₆ H ₄
1592	CH ₃ CC ₆ H ₅	CO(p-CH ₃)C ₆ H ₄	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	CO(p-CH ₃)C ₆ H ₄

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1593	CH ₃ CC ₆ H ₅	CO(ο-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H	H
1594	CH ₃ CC ₆ H ₅	CO(ο-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H	CO(ο-CH ₃)C ₆ H ₄
1595	CH ₃ CC ₆ H ₅	CO(ο-CH ₃)C ₆ H ₄	H	H	CO(ο-CH ₃)C ₆ H ₄	H	H	H	H	CO(ο-CH ₃)C ₆ H ₄
1596	CH ₃ CC ₆ H ₅	CO(ο-CH ₃)C ₆ H ₄	H	H	CO(ο-CH ₃)C ₆ H ₄	H	H	H	H	CO(ο-CH ₃)C ₆ H ₄
1597	CH ₃ CC ₆ H ₅	COCH ₂ C ₆ H ₅	H	H	H	H	H	H	H	H
1598	CH ₃ CC ₆ H ₅	COCH ₂ C ₆ H ₅	H	H	H	H	H	H	H	COCH ₂ C ₆ H ₅
1599	CH ₃ CC ₆ H ₅	COCH ₂ C ₆ H ₅	H	H	COCH ₂ C ₆ H ₅	H	H	H	H	COCH ₂ C ₆ H ₅
1600	CH ₃ CC ₆ H ₅	COCH ₂ C ₆ H ₅	H	H	COCH ₂ C ₆ H ₅	H	H	H	H	COCH ₂ C ₆ H ₅
1601	CH ₃ CC ₆ H ₅	COCH ₂ C ₆ H ₅	H	H	CH ₃	CH ₃	H	H	H	H
1602	CH ₃ CC ₆ H ₅	COCH ₂ C ₆ H ₅	H	H	CH ₃	CH ₃	H	H	H	COCH ₂ C ₆ H ₅
1603	CH ₃ CC ₆ H ₅	CO(p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	H	H
1604	CH ₃ CC ₆ H ₅	CO(p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	H	CO(p-CH ₃)C ₆ H ₄
1605	CH ₃ CC ₆ H ₅	CO(ο-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	H	H
1606	CH ₃ CC ₆ H ₅	CO(ο-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	H	CO(ο-CH ₃)C ₆ H ₄
1607	CH ₃ CC ₆ H ₅	COCH ₂ C ₆ H ₅	H	CH ₃	H	H	CH ₃	H	H	H
1608	CH ₃ CC ₆ H ₅	COCH ₂ C ₆ H ₅	H	CH ₃	H	H	CH ₃	H	H	COCH ₂ C ₆ H ₅
1609	CH ₃ CC ₆ H ₅	CO(p-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	H	H
1610	CH ₃ CC ₆ H ₅	CO(p-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	H	CO(p-CH ₃)C ₆ H ₄
1611	CH ₃ CC ₆ H ₅	CO(ο-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	H	H
1612	CH ₃ CC ₆ H ₅	CO(ο-CH ₃)C ₆ H ₄	H	CH ₃	H	H	CH ₃	H	H	CO(ο-CH ₃)C ₆ H ₄

Table 1] (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1613	CH ₃ CC ₆ H ₅	COOC ₆ H ₅	H	H	C1	H	H	H	H
1614	CH ₃ CC ₆ H ₅	COOC ₆ H ₅	H	H	C1	H	H	H	COOC ₆ H ₅
1615	CH ₃ CC ₆ H ₅	CO(p-CH ₃)C ₆ H ₄	H	H	C1	H	H	H	H
1616	CH ₃ CC ₆ H ₅	CO(p-CH ₃)C ₆ H ₄	H	H	C1	H	H	H	CO(p-CH ₃)C ₆ H ₄
1617	CH ₃ CC ₆ H ₅	CO(o-CH ₃)C ₆ H ₄	H	H	C1	H	H	H	H
1618	CH ₃ CC ₆ H ₅	CO(o-CH ₃)C ₆ H ₄	H	H	C1	H	H	H	CO(o-CH ₃)C ₆ H ₄
1619	CH ₃ CC ₆ H ₅	COOC ₆ H ₅	H	C1	H	H	C1	H	H
1620	CH ₃ CC ₆ H ₅	COOC ₆ H ₅	H	C1	H	H	C1	H	COOC ₆ H ₅
1621	CH ₃ CC ₆ H ₅	CO(p-CH ₃)C ₆ H ₄	H	C1	H	H	C1	H	H
1622	CH ₃ CC ₆ H ₅	CO(p-CH ₃)C ₆ H ₄	H	C1	H	H	C1	H	CO(p-CH ₃)C ₆ H ₄
1623	CH ₃ CC ₆ H ₅	CO(o-CH ₃)C ₆ H ₄	H	C1	H	H	C1	H	H
1624	CH ₃ CC ₆ H ₅	CO(o-CH ₃)C ₆ H ₄	H	C1	H	H	C1	H	CO(o-CH ₃)C ₆ H ₄
1625	CH ₃ CC ₆ H ₅	COOC ₆ H ₅	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H
1626	CH ₃ CC ₆ H ₅	COOC ₆ H ₅	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	COOC ₆ H ₅
1627	CH ₃ CC ₆ H ₅	CO(p-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H
1628	CH ₃ CC ₆ H ₅	CO(p-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	CO(p-CH ₃)C ₆ H ₄
1629	CH ₃ CC ₆ H ₅	CO(o-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H
1630	CH ₃ CC ₆ H ₅	CO(o-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	CO(o-CH ₃)C ₆ H ₄
1631	CH ₃ CC ₆ H ₅	CO-cyclohexyl	H	H	H	H	H	H	H
1632	CH ₃ CC ₆ H ₅	CO-cyclohexyl	H	H	H	H	H	H	CO-cyclohexyl

【Table 1】 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1633	CH ₃ CC ₆ H ₅	CO-cyclohexyl	H	H	CO-cyclohexyl	H	H	H	CO-cyclohexyl
1634	CH ₃ CC ₆ H ₅	CO-cyclohexyl	H	H	CO-cyclohexyl	CO-cyclohexyl	H	H	CO-cyclohexyl
1635	None	COCH ₃	H	H	H	H	H	H	H
1636	None	COCH ₃	H	H	H	H	H	H	COCH ₃
1637	None	COCH ₃	H	H	COCH ₃	H	H	H	COCH ₃
1638	None	COCH ₃	H	H	COCH ₃	COCH ₃	H	H	COCH ₃
1639	None	COC ₂ H ₅	H	H	H	H	H	H	H
1640	None	COC ₂ H ₅	H	H	H	H	H	H	COC ₂ H ₅
1641	None	COC ₂ H ₅	H	H	COC ₂ H ₅	H	H	H	COC ₂ H ₅
1642	None	COC ₂ H ₅	H	H	COC ₂ H ₅	COC ₂ H ₅	H	H	COC ₂ H ₅
1643	None	CO ⁿ C ₃ H ₇	H	H	H	H	H	H	H
1644	None	CO ⁱ C ₃ H ₇	H	H	H	H	H	H	CO ⁱ C ₃ H ₇
1645	None	CO ^v C ₃ H ₇	H	H	CO ^v C ₃ H ₇	H	H	H	CO ^v C ₃ H ₇
1646	None	CO ^v C ₃ H ₇	H	H	CO ^v C ₃ H ₇	CO ^v C ₃ H ₇	H	H	CO ^v C ₃ H ₇
1647	None	CO ⁱ C ₃ H ₇	H	H	H	H	H	H	H
1648	None	CO ⁱ C ₃ H ₇	H	H	H	H	H	H	CO ⁱ C ₃ H ₇
1649	None	CO ⁱ C ₃ H ₇	H	H	CO ⁱ C ₃ H ₇	H	H	H	CO ⁱ C ₃ H ₇
1650	None	CO ^v C ₃ H ₇	H	H	CO ^v C ₃ H ₇	CO ^v C ₃ H ₇	H	H	CO ^v C ₃ H ₇
1651	None	CO ^v C ₄ H ₉	H	H	H	H	H	H	H
1652	None	CO ^v C ₄ H ₉	H	H	H	H	H	H	CO ^v C ₄ H ₉

Table 11 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1653	None	CO ^v C ₄ H ₉	H	CO ^v C ₄ H ₉	H	H	H	H	CO ^v C ₄ H ₉
1654	None	CO ^t C ₄ H ₉	H	CO ^t C ₄ H ₉	CO ^s C ₄ H ₉	H	H	H	CO ^t C ₄ H ₉
1655	None	CO ^t C ₄ H ₉	H	H	H	H	H	H	H
1656	None	CO ^t C ₄ H ₉	H	H	H	H	H	H	CO ^t C ₄ H ₉
1657	None	CO ^t C ₄ H ₉	H	CO ^t C ₄ H ₉	H	H	H	H	CO ^t C ₄ H ₉
1658	None	CO ^t C ₄ H ₉	H	CO ^t C ₄ H ₉	CO ^t C ₄ H ₉	H	H	H	CO ^t C ₄ H ₉
1659	None	CO ^s C ₄ H ₉	H	H	H	H	H	H	H
1660	None	CO ^s C ₄ H ₉	H	H	H	H	H	H	CO ^s C ₄ H ₉
1661	None	CO ^s C ₄ H ₉	H	CO ^s C ₄ H ₉	H	H	H	H	CO ^s C ₄ H ₉
1662	None	CO ^s C ₄ H ₉	H	CO ^s C ₄ H ₉	CO ^s C ₄ H ₉	H	H	H	CO ^s C ₄ H ₉
1663	None	CO ^t C ₄ H ₉	H	H	H	H	H	H	H
1664	None	CO ^t C ₄ H ₉	H	H	H	H	H	H	CO ^t C ₄ H ₉
1665	None	CO ^t C ₄ H ₉	H	CO ^t C ₄ H ₉	H	H	H	H	CO ^t C ₄ H ₉
1666	None	CO ^t C ₄ H ₉	H	CO ^t C ₄ H ₉	CO ^t C ₄ H ₉	H	H	H	CO ^t C ₄ H ₉
1667	None	COCH ₂ CH=CH ₂	H	H	H	H	H	H	H
1668	None	COCH ₂ CH=CH ₂	H	H	H	H	H	H	COCH ₂ CH=CH ₂
1669	None	COCH ₂ CH=CH ₂	H	COCH ₂ CH=CH ₂	H	H	H	H	COCH ₂ CH=CH ₂
1670	None	COCH ₂ CH=CH ₂	H	COCH ₂ CH=CH ₂	COCH ₂ CH=CH ₂	H	H	H	COCH ₂ CH=CH ₂
1671	None	COC ₆ H ₅	H	H	H	H	H	H	H
1672	None	COC ₆ H ₅	H	H	H	H	H	H	COC ₆ H ₅

Table 1 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1673	None	COC ₆ H ₅	H	H	COC ₆ H ₅	H	H	H	COC ₆ H ₅
1674	None	COC ₆ H ₅	H	H	COC ₆ H ₅	H	H	H	COC ₆ H ₅
1675	None	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H
1676	None	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	CO(p-CH ₃)C ₆ H ₄
1677	None	CO(p-CH ₃)C ₆ H ₄	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H	CO(p-CH ₃)C ₆ H ₄
1678	None	CO(p-CH ₃)C ₆ H ₄	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H	CO(p-CH ₃)C ₆ H ₄
1679	None	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H
1680	None	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	CO(o-CH ₃)C ₆ H ₄
1681	None	CO(o-CH ₃)C ₆ H ₄	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H	CO(o-CH ₃)C ₆ H ₄
1682	None	CO(o-CH ₃)C ₆ H ₄	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H	CO(o-CH ₃)C ₆ H ₄
1683	None	COOCH ₂ C ₆ H ₅	H	H	H	H	H	H	H
1684	None	COOCH ₂ C ₆ H ₅	H	H	H	H	H	H	COOCH ₂ C ₆ H ₅
1685	None	COOCH ₂ C ₆ H ₅	H	H	COOCH ₂ C ₆ H ₅	H	H	H	COOCH ₂ C ₆ H ₅
1686	None	COOCH ₂ C ₆ H ₅	H	H	COOCH ₂ C ₆ H ₅	H	H	H	COOCH ₂ C ₆ H ₅
1687	None	COC ₆ H ₅	H	H	CH ₃	CH ₃	H	H	H
1688	None	COC ₆ H ₅	H	H	CH ₃	CH ₃	H	H	COC ₆ H ₅
1689	None	CO(p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	H
1690	None	CO(p-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	CO(p-CH ₃)C ₆ H ₄
1691	None	CO(o-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	H
1692	None	CO(o-CH ₃)C ₆ H ₄	H	H	CH ₃	CH ₃	H	H	CO(o-CH ₃)C ₆ H ₄

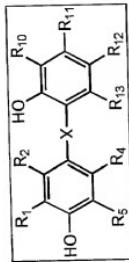
Table 1 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1693	None	OCOC ₆ H ₅	H	CH ₃	H	H	H	CH ₃	H	H
1694	None	OCOC ₆ H ₅	H	CH ₃	H	H	H	CH ₃	H	OCOC ₆ H ₅
1695	None	CO(p-CH ₃)C ₆ H ₄	H	CH ₃	H	H	H	CH ₃	H	H
1696	None	CO(o-CH ₃)C ₆ H ₄	H	CH ₃	H	H	H	CH ₃	H	CO(p-CH ₃)C ₆ H ₄
1697	None	CO(o-CH ₃)C ₆ H ₄	H	CH ₃	H	H	H	CH ₃	H	H
1698	None	CO(o-CH ₃)C ₆ H ₄	H	CH ₃	H	H	H	CH ₃	H	CO(o-CH ₃)C ₆ H ₄
1699	None	OCOC ₆ H ₅	H	H	C1	C1	H	H	H	H
1700	None	OCOC ₆ H ₅	H	H	C1	C1	H	H	H	OCOC ₆ H ₅
1701	None	CO(p-CH ₃)C ₆ H ₄	H	H	C1	C1	H	H	H	H
1702	None	CO(o-CH ₃)C ₆ H ₄	H	H	C1	C1	H	H	H	CO(p-CH ₃)C ₆ H ₄
1703	None	CO(o-CH ₃)C ₆ H ₄	H	H	C1	C1	H	H	H	H
1704	None	CO(o-CH ₃)C ₆ H ₄	H	H	C1	C1	H	H	H	CO(o-CH ₃)C ₆ H ₄
1705	None	OCOC ₆ H ₅	H	C1	H	H	H	C1	H	H
1706	None	OCOC ₆ H ₅	H	C1	H	H	H	C1	H	OCOC ₆ H ₅
1707	None	CO(p-CH ₃)C ₆ H ₄	H	C1	H	H	H	C1	H	H
1708	None	CO(p-CH ₃)C ₆ H ₄	H	C1	H	H	H	C1	H	CO(p-CH ₃)C ₆ H ₄
1709	None	CO(o-CH ₃)C ₆ H ₄	H	C1	H	H	H	C1	H	H
1710	None	CO(o-CH ₃)C ₆ H ₄	H	C1	H	H	H	C1	H	CO(o-CH ₃)C ₆ H ₄
1711	None	OCOC ₆ H ₅	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	H
1712	None	OCOC ₆ H ₅	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H	OCOC ₆ H ₅

【Table 1】(Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉
1713	None	CO(p-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H
1714	None	CO(p-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	CO(p-CH ₃)C ₆ H ₄
1715	None	CO(o-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	H
1716	None	CO(o-CH ₃)C ₆ H ₄	H	H	CH ₂ CH=CH ₂	CH ₂ CH=CH ₂	H	H	CO(o-CH ₃)C ₆ H ₄
1717	None	CO-cyclohexyl	H	H	H	H	H	H	H
1718	None	CO-cyclohexyl	H	H	H	H	H	H	CO-cyclohexyl
1719	None	CO-cyclohexyl	H	H	CO-cyclohexyl	H	H	H	CO-cyclohexyl
1720	None	CO-cyclohexyl	H	H	CO-cyclohexyl	CO-cyclohexyl	H	H	CO-cyclohexyl

Table 2



Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉	R ₁₀	R ₁₁	R ₁₂	R ₁₃
1721	SO ₂	SO ₂ CH ₃	H	H	H	H	H	H	H	H	H	H	H	H
1722	SO ₂	H	H	H	H	H	SO ₂ CH ₃	H	H	SO ₂ CH ₃	H	H	H	H
1723	SO ₂	H	H	H	H	H	SO ₂ CH ₃	H	H	H	H	H	H	H
1724	SO ₂	SO ₂ CH ₃	H	H	H	H	H	H	H	SO ₂ CH ₃	H	H	H	H
1725	SO ₂	SO ₂ CH ₃	H	H	H	H	SO ₂ CH ₃	H	H	H	H	H	H	H
1726	SO ₂	SO ₂ C ₆ H ₅	H	H	H	H	H	H	H	H	H	H	H	H
1727	SO ₂	H	H	H	H	H	SO ₂ C ₆ H ₅	H	H	SO ₂ C ₆ H ₅	H	H	H	H
1728	SO ₂	H	H	H	H	H	SO ₂ C ₆ H ₅	H	H	SO ₂ C ₆ H ₅	H	H	H	H
1729	SO ₂	SO ₂ C ₆ H ₅	H	H	H	H	H	H	H	SO ₂ C ₆ H ₅	H	H	H	H
1730	SO ₂	SO ₂ C ₆ H ₅	H	H	H	H	SO ₂ C ₆ H ₅	H	H	H	H	H	H	H
1731	SO ₂	SO ₂ ⁿ C ₆ H ₇	H	H	H	H	H	SO ₂ ⁿ C ₆ H ₇	H	SO ₂ ⁿ C ₆ H ₇	H	H	H	H
1732	SO ₂	H	H	H	H	H	SO ₂ ⁿ C ₆ H ₇	H	H	H	H	H	H	H
1733	SO ₂	H	H	H	H	H	SO ₂ ⁿ C ₆ H ₇	H	H	SO ₂ ⁿ C ₆ H ₇	H	H	H	H
1734	SO ₂	SO ₂ ⁿ C ₆ H ₇	H	H	H	H	H	H	H	SO ₂ ⁿ C ₆ H ₇	H	H	H	H

Table 21 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
1735	SO ₂	SO ₂ ⁿ C ₃ H ₇	H	H	H	SO ₂ ⁿ C ₃ H ₇	H	H	H	H
1736	SO ₂	SO ₂ ⁿ C ₃ H ₇	H	H	H	SO ₂ ⁿ C ₃ H ₇	H	H	H	H
1737	SO ₂	H	H	H	H	SO ₂ ⁱ C ₃ H ₇	H	SO ₂ ⁱ C ₃ H ₇	H	H
1738	SO ₂	H	H	H	H	SO ₂ ⁱ C ₃ H ₇	H	H	H	H
1739	SO ₂	SO ₂ ⁱ C ₃ H ₇	H	H	H	SO ₂ ⁱ C ₃ H ₇	H	SO ₂ ⁱ C ₃ H ₇	H	H
1740	SO ₂	SO ₂ ⁱ C ₃ H ₇	H	H	H	SO ₂ ⁱ C ₃ H ₇	H	H	H	H
1741	SO ₂	SO ₂ ⁿ C ₄ H ₉	H	H	H	SO ₂ ⁿ C ₄ H ₉	H	H	H	H
1742	SO ₂	H	H	H	H	SO ₂ ⁿ C ₄ H ₉	H	SO ₂ ⁿ C ₄ H ₉	H	H
1743	SO ₂	H	H	H	H	SO ₂ ⁿ C ₄ H ₉	H	H	H	H
1744	SO ₂	SO ₂ ⁿ C ₄ H ₉	H	H	H	SO ₂ ⁿ C ₄ H ₉	H	SO ₂ ⁿ C ₄ H ₉	H	H
1745	SO ₂	SO ₂ ^p C ₄ H ₉	H	H	H	SO ₂ ⁿ C ₄ H ₉	H	H	H	H
1746	SO ₂	SO ₂ ⁱ C ₄ H ₉	H	H	H	SO ₂ ⁱ C ₄ H ₉	H	H	H	H
1747	SO ₂	H	H	H	H	SO ₂ ⁱ C ₄ H ₉	H	SO ₂ ⁱ C ₄ H ₉	H	H
1748	SO ₂	H	H	H	H	SO ₂ ⁱ C ₄ H ₉	H	H	H	H
1749	SO ₂	SO ₂ ⁱ C ₄ H ₉	H	H	H	SO ₂ ⁱ C ₄ H ₉	H	SO ₂ ⁱ C ₄ H ₉	H	H
1750	SO ₂	SO ₂ ⁱ C ₄ H ₉	H	H	H	SO ₂ ⁱ C ₄ H ₉	H	H	H	H
1751	SO ₂	SO ₂ ^s C ₄ H ₉	H	H	H	SO ₂ ^s C ₄ H ₉	H	H	H	H
1752	SO ₂	H	H	H	H	SO ₂ ^s C ₄ H ₉	H	SO ₂ ^s C ₄ H ₉	H	H
1753	SO ₂	H	H	H	H	SO ₂ ^s C ₄ H ₉	H	H	H	H
1754	SO ₂	SO ₂ ^s C ₄ H ₉	H	H	H	SO ₂ ^s C ₄ H ₉	H	SO ₂ ^s C ₄ H ₉	H	H

Table 2] (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
1755	SO ₂	SO ₂ ^s C ₄ H ₉	H	H	H	H	SO ₂ ^s C ₄ H ₉	H	H	H
1756	SO ₂	SO ₂ ^t C ₄ H ₉	H	H	H	H	SO ₂ ^t C ₄ H ₉	H	H	H
1757	SO ₂	H	H	H	H	H	SO ₂ ^t C ₄ H ₉	H	SO ₂ ^t C ₄ H ₉	H
1758	SO ₂	H	H	H	H	H	SO ₂ ^t C ₄ H ₉	H	H	H
1759	SO ₂	SO ₂ ^s C ₄ H ₉	H	H	H	H	SO ₂ ^s C ₄ H ₉	H	SO ₂ ^s C ₄ H ₉	H
1760	SO ₂	SO ₂ ^t C ₄ H ₉	H	H	H	H	SO ₂ ^t C ₄ H ₉	H	H	H
1761	SO ₂	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	H	H	H	H
1762	SO ₂	H	H	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	SO ₂ CH ₂ CH=CH ₂	H
1763	SO ₂	H	H	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	H	H
1764	SO ₂	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	H
1765	SO ₂	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	H	H
1766	SO ₂	SO ₂ C ₆ H ₅	H	H	H	H	H	H	H	H
1767	SO ₂	H	H	H	H	H	SO ₂ C ₆ H ₅	H	SO ₂ C ₆ H ₅	H
1768	SO ₂	H	H	H	H	H	SO ₂ C ₆ H ₅	H	H	H
1769	SO ₂	SO ₂ C ₆ H ₅	H	H	H	H	H	SO ₂ C ₆ H ₅	H	H
1770	SO ₂	SO ₂ C ₆ H ₅	H	H	H	H	SO ₂ C ₆ H ₅	H	H	H
1771	SO ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H	H
1772	SO ₂	H	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	SO ₂ (p-CH ₃)C ₆ H ₄	H
1773	SO ₂	H	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H
1774	SO ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H

Table 21 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
1775	SO ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H
1776	SO ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H
1777	SO ₂	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H
1778	SO ₂	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H
1779	SO ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H
1780	SO ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H
1781	SO ₂	SO ₂ CH ₂ C ₆ H ₅	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H
1782	SO ₂	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	SO ₂ CH ₂ C ₆ H ₅	H
1783	SO ₂	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H
1784	SO ₂	SO ₂ CH ₂ C ₆ H ₅	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	SO ₂ CH ₂ C ₆ H ₅	H
1785	SO ₂	SO ₂ CH ₂ C ₆ H ₅	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H
1786	SO ₂	SO ₂ -cyclohexyl	H	H	H	SO ₂ -cyclohexyl	H	SO ₂ -cyclohexyl	H
1787	SO ₂	H	H	H	H	SO ₂ -cyclohexyl	H	SO ₂ -cyclohexyl	H
1788	SO ₂	H	H	H	H	SO ₂ -cyclohexyl	H	SO ₂ -cyclohexyl	H
1789	SO ₂	SO ₂ -cyclohexyl	H	H	H	SO ₂ -cyclohexyl	H	SO ₂ -cyclohexyl	H
1790	SO ₂	SO ₂ -cyclohexyl	H	H	H	SO ₂ -cyclohexyl	H	SO ₂ -cyclohexyl	H
1791	SO	SO ₂ CH ₃	H	H	H	SO ₂ CH ₃	H	SO ₂ CH ₃	H
1792	SO	H	H	H	H	SO ₂ CH ₃	H	SO ₂ CH ₃	H
1793	SO	H	H	H	H	SO ₂ CH ₃	H	SO ₂ CH ₃	H
1794	SO	SO ₂ CH ₃	H	H	H	SO ₂ CH ₃	H	SO ₂ CH ₃	H

Table 21 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
1795	S0	SO ₂ CH ₃	H	H	H	H	SO ₂ CH ₃	H	H	H
1796	S0	SO ₂ C ₂ H ₅	H	H	H	H	H	H	H	H
1797	S0	H	H	H	H	H	SO ₂ C ₂ H ₅	H	SO ₂ C ₂ H ₅	H
1798	S0	H	H	H	H	H	SO ₂ C ₂ H ₅	H	H	H
1799	S0	SO ₂ C ₂ H ₅	H	H	H	H	H	H	SO ₂ C ₂ H ₅	H
1800	S0	SO ₂ C ₂ H ₅	H	H	H	H	SO ₂ C ₂ H ₅	H	H	H
1801	S0	SO ₂ ⁿ C ₃ H ₇	H	H	H	H	H	H	H	H
1802	S0	H	H	H	H	H	SO ₂ ⁿ C ₃ H ₇	H	SO ₂ ⁿ C ₃ H ₇	H
1803	S0	H	H	H	H	H	SO ₂ ⁿ C ₃ H ₇	H	H	H
1804	S0	SO ₂ ⁿ C ₃ H ₇	H	H	H	H	H	H	SO ₂ ⁿ C ₃ H ₇	H
1805	S0	SO ₂ ⁿ C ₃ H ₇	H	H	H	H	SO ₂ ⁿ C ₃ H ₇	H	H	H
1806	S0	SO ₂ ⁿ C ₃ H ₇	H	H	H	H	H	H	H	H
1807	S0	H	H	H	H	H	SO ₂ ⁿ C ₃ H ₇	H	SO ₂ ⁿ C ₃ H ₇	H
1808	S0	H	H	H	H	H	SO ₂ ⁿ C ₃ H ₇	H	H	H
1809	S0	SO ₂ ⁿ C ₃ H ₇	H	H	H	H	H	H	SO ₂ ⁿ C ₃ H ₇	H
1810	S0	SO ₂ ⁿ C ₃ H ₇	H	H	H	H	SO ₂ ⁿ C ₃ H ₇	H	H	H
1811	S0	SO ₂ ⁿ C ₄ H ₉	H	H	H	H	H	H	H	H
1812	S0	H	H	H	H	H	SO ₂ ⁿ C ₄ H ₉	H	SO ₂ ⁿ C ₄ H ₉	H
1813	S0	H	H	H	H	H	SO ₂ ⁿ C ₄ H ₉	H	H	H
1814	S0	SO ₂ ⁿ C ₄ H ₉	H	H	H	H	H	H	SO ₂ ⁿ C ₄ H ₉	H

Table 2 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉	R ₁₀	R ₁₁	R ₁₂	R ₁₃
1815	SO	SO ₂ C ₄ H ₉	H	H	H	H	SO ₂ ⁿ C ₄ H ₉	H	H	H	H	H	H	H
1816	SO	SO ₂ C ₆ H ₉	H	H	H	H	SO ₂ ⁿ C ₆ H ₉	H	H	H	H	H	H	H
1817	SO	H	H	H	H	H	SO ₂ ^t C ₆ H ₉	H	H	H	SO ₂ ^t C ₆ H ₉	H	H	H
1818	SO	H	H	H	H	H	SO ₂ ^t C ₆ H ₉	H	H	H	H	H	H	H
1819	SO	SO ₂ C ₄ H ₉	H	H	H	H	H	H	H	H	SO ₂ ^t C ₄ H ₉	H	H	H
1820	SO	SO ₂ ^t C ₄ H ₉	H	H	H	H	SO ₂ ^t C ₄ H ₉	H	H	H	H	H	H	H
1821	SO	SO ₂ C ₄ H ₉	H	H	H	H	H	H	H	H	H	H	H	H
1822	SO	H	H	H	H	H	SO ₂ ^s C ₄ H ₉	H	H	H	SO ₂ ^s C ₄ H ₉	H	H	H
1823	SO	H	H	H	H	H	SO ₂ ⁿ C ₄ H ₉	H	H	H	H	H	H	H
1824	SO	SO ₂ C ₄ H ₉	H	H	H	H	H	H	H	H	SO ₂ ^s C ₄ H ₉	H	H	H
1825	SO	SO ₂ ⁿ C ₄ H ₉	H	H	H	H	SO ₂ ^s C ₄ H ₉	H	H	H	H	H	H	H
1826	SO	SO ₂ C ₄ H ₉	H	H	H	H	H	H	H	H	H	H	H	H
1827	SO	H	H	H	H	H	SO ₂ ^t C ₄ H ₉	H	H	H	SO ₂ ^t C ₄ H ₉	H	H	H
1828	SO	H	H	H	H	H	SO ₂ ^t C ₄ H ₉	H	H	H	H	H	H	H
1829	SO	SO ₂ C ₄ H ₉	H	H	H	H	H	H	H	H	H	SO ₂ ^t C ₄ H ₉	H	H
1830	SO	SO ₂ C ₆ H ₉	H	H	H	H	SO ₂ ^t C ₆ H ₉	H	H	H	H	H	H	H
1831	SO	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	H	H	H	H	H	H	H	H
1832	SO	H	H	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	H	H
1833	SO	H	H	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	H	H	H
1834	SO	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	H	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	H	H

Table 21 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
1835	SO	SO ₂ CH ₂ CH=CH ₂	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	H	H
1836	SO	SO ₂ C ₆ H ₅	H	H	H	H	H	H	H
1837	SO	H	H	H	H	SO ₂ C ₆ H ₅	H	H	H
1838	SO	H	H	H	H	SO ₂ C ₆ H ₅	H	H	H
1839	SO	SO ₂ C ₆ H ₅	H	H	H	H	H	H	H
1840	SO	SO ₂ C ₆ H ₅	H	H	H	SO ₂ C ₆ H ₅	H	H	H
1841	SO	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H
1842	SO	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H
1843	SO	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H
1844	SO	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H
1845	SO	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H
1846	SO	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H
1847	SO	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H
1848	SO	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H
1849	SO	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H
1850	SO	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H
1851	SO	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H
1852	SO	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H
1853	SO	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H
1854	SO	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H

Table 2] (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
1855	S0	SO ₂ CH ₂ C ₆ H ₅	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H
1856	S0	SO ₂ -cyclohexyl	H	H	H	H	H	H	H
1857	S0	H	H	H	H	SO ₂ -cyclohexyl	H	SO ₂ -cyclohexyl	H
1858	S0	H	H	H	H	SO ₂ -cyclohexyl	H	H	H
1859	S0	SO ₂ -cyclohexyl	H	H	H	H	H	SO ₂ -cyclohexyl	H
1860	S0	SO ₂ -cyclohexyl	H	H	H	SO ₂ -cyclohexyl	H	H	H
1861	S	SO ₂ CH ₃	H	H	H	H	H	H	H
1862	S	H	H	H	H	SO ₂ CH ₃	H	SO ₂ CH ₃	H
1863	S	H	H	H	H	SO ₂ CH ₃	H	H	H
1864	S	SO ₂ CH ₅	H	H	H	H	H	SO ₂ CH ₅	H
1865	S	SO ₂ CH ₅	H	H	H	SO ₂ CH ₃	H	H	H
1866	S	SO ₂ C ₆ H ₅	H	H	H	H	H	H	H
1867	S	H	H	H	H	SO ₂ C ₆ H ₅	H	SO ₂ C ₆ H ₅	H
1868	S	H	H	H	H	SO ₂ C ₆ H ₅	H	H	H
1869	S	SO ₂ C ₆ H ₅	H	H	H	H	H	SO ₂ C ₆ H ₅	H
1870	S	SO ₂ C ₆ H ₅	H	H	H	SO ₂ C ₆ H ₅	H	H	H
1871	S	SO ₂ ⁿ C ₆ H ₇	H	H	H	H	H	SO ₂ ⁿ C ₆ H ₇	H
1872	S	H	H	H	H	SO ₂ ⁿ C ₆ H ₇	H	H	H
1873	S	H	H	H	H	SO ₂ ⁿ C ₆ H ₇	H	H	H
1874	S	SO ₂ ⁿ C ₆ H ₇	H	H	H	H	H	SO ₂ ⁿ C ₆ H ₇	H

Table 2] (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
1875	S	SO ₂ ⁿ C ₆ H ₇	H	H	H	SO ₂ ⁿ C ₆ H ₇	H	H	H
1876	S	SO ₂ ⁱ C ₆ H ₇	H	H	H	SO ₂ ⁱ C ₆ H ₇	H	H	H
1877	S	H	H	H	H	SO ₂ ⁱ C ₆ H ₇	H	H	H
1878	S	H	H	H	H	SO ₂ ⁱ C ₆ H ₇	H	H	H
1879	S	SO ₂ ⁱ C ₆ H ₇	H	H	H	SO ₂ ⁱ C ₆ H ₇	H	H	H
1880	S	SO ₂ ⁱ C ₆ H ₇	H	H	H	SO ₂ ⁱ C ₆ H ₇	H	H	H
1881	S	SO ₂ ⁿ C ₆ H ₉	H	H	H	SO ₂ ⁿ C ₆ H ₉	H	H	H
1882	S	H	H	H	H	SO ₂ ⁿ C ₆ H ₉	H	H	H
1883	S	H	H	H	H	SO ₂ ⁿ C ₆ H ₉	H	H	H
1884	S	SO ₂ ⁿ C ₆ H ₉	H	H	H	SO ₂ ⁿ C ₆ H ₉	H	H	H
1885	S	SO ₂ ⁱ C ₆ H ₉	H	H	H	SO ₂ ⁱ C ₆ H ₉	H	H	H
1886	S	SO ₂ ⁱ C ₆ H ₉	H	H	H	SO ₂ ⁱ C ₆ H ₉	H	H	H
1887	S	H	H	H	H	SO ₂ ⁱ C ₆ H ₉	H	H	H
1888	S	H	H	H	H	SO ₂ ⁱ C ₆ H ₉	H	H	H
1889	S	SO ₂ ⁱ C ₆ H ₉	H	H	H	SO ₂ ⁱ C ₆ H ₉	H	H	H
1890	S	SO ₂ ⁱ C ₆ H ₉	H	H	H	SO ₂ ⁱ C ₆ H ₉	H	H	H
1891	S	SO ₂ ⁿ C ₆ H ₉	H	H	H	SO ₂ ⁿ C ₆ H ₉	H	H	H
1892	S	H	H	H	H	SO ₂ ⁿ C ₆ H ₉	H	H	H
1893	S	H	H	H	H	SO ₂ ⁿ C ₆ H ₉	H	H	H
1894	S	SO ₂ ⁿ C ₆ H ₉	H	H	H	SO ₂ ⁿ C ₆ H ₉	H	H	H

Table 21 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
1895	S	SO ₂ ^t C ₆ H ₅	H	H	H	SO ₂ ^s C ₆ H ₅	H	H	H
1896	S	SO ₂ ^t C ₆ H ₅	H	H	H	H	H	H	H
1897	S	H	H	H	H	SO ₂ ^t C ₆ H ₅	H	H	H
1898	S	H	H	H	H	SO ₂ ^t C ₆ H ₅	H	H	H
1899	S	SO ₂ ^t C ₆ H ₅	H	H	H	H	H	H	H
1900	S	SO ₂ ^t C ₆ H ₅	H	H	H	SO ₂ ^t C ₆ H ₅	H	H	H
1901	S	SO ₂ CH ₂ CH=CH ₂	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	SO ₂ CH ₂ CH=CH ₂	H
1902	S	H	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	SO ₂ CH ₂ CH=CH ₂	H
1903	S	H	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	SO ₂ CH ₂ CH=CH ₂	H
1904	S	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	H	SO ₂ CH ₂ CH=CH ₂	H
1905	S	SO ₂ CH ₂ CH=CH ₂	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	SO ₂ CH ₂ CH=CH ₂	H
1906	S	SO ₂ C ₆ H ₅	H	H	H	H	H	SO ₂ C ₆ H ₅	H
1907	S	H	H	H	H	SO ₂ C ₆ H ₅	H	SO ₂ C ₆ H ₅	H
1908	S	H	H	H	H	SO ₂ C ₆ H ₅	H	SO ₂ C ₆ H ₅	H
1909	S	SO ₂ C ₆ H ₅	H	H	H	H	H	SO ₂ C ₆ H ₅	H
1910	S	SO ₂ C ₆ H ₅	H	H	H	SO ₂ C ₆ H ₅	H	SO ₂ C ₆ H ₅	H
1911	S	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	SO ₂ (p-CH ₃)C ₆ H ₄	H
1912	S	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	SO ₂ (p-CH ₃)C ₆ H ₄	H
1913	S	H	H	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H
1914	S	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H

Table 2] (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₁₀	R ₁₁	R ₁₂	R ₁₃
1915	S	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H
1916	S	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H
1917	S	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H
1918	S	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H
1919	S	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H
1920	S	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H
1921	S	SO ₂ CH ₂ C ₆ H ₅	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H
1922	S	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	SO ₂ CH ₂ C ₆ H ₅	H	H
1923	S	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H
1924	S	SO ₂ CH ₂ C ₆ H ₅	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	SO ₂ CH ₂ C ₆ H ₅	H	H
1925	S	SO ₂ CH ₂ C ₆ H ₅	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H
1926	S	SO ₂ -cyclohexyl	H	H	H	SO ₂ -cyclohexyl	H	H	H	H
1927	S	H	H	H	H	SO ₂ -cyclohexyl	H	SO ₂ -cyclohexyl	H	H
1928	S	H	H	H	H	SO ₂ -cyclohexyl	H	H	H	H
1929	S	SO ₂ -cyclohexyl	H	H	H	SO ₂ -cyclohexyl	H	SO ₂ -cyclohexyl	H	H
1930	S	SO ₂ -cyclohexyl	H	H	H	SO ₂ -cyclohexyl	H	H	H	H
1931	O	SO ₂ CH ₃	H	H	H	SO ₂ CH ₃	H	SO ₂ CH ₃	H	H
1932	O	H	H	H	H	SO ₂ CH ₃	H	SO ₂ CH ₃	H	H
1933	O	H	H	H	H	SO ₂ CH ₃	H	H	H	H
1934	O	SO ₂ CH ₃	H	H	H	SO ₂ CH ₃	H	SO ₂ CH ₃	H	H

Table 2] (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₆	R ₁₀	R ₁₁	R ₁₂	R ₁₃
1935	0	SO ₂ CH ₃	H	H	H	SO ₂ CH ₃	H	H	H
1936	0	SO ₂ C ₂ H ₅	H	H	H	H	H	H	H
1937	0	H	H	H	H	SO ₂ C ₂ H ₅	H	H	SO ₂ C ₂ H ₅
1938	0	H	H	H	H	SO ₂ C ₂ H ₅	H	H	H
1939	0	SO ₂ C ₂ H ₅	H	H	H	H	H	SO ₂ C ₂ H ₅	H
1940	0	SO ₂ C ₂ H ₅	H	H	H	SO ₂ ⁿ C ₂ H ₅	H	H	H
1941	0	SO ₂ ⁿ C ₃ H ₇	H	H	H	H	H	H	H
1942	0	H	H	H	H	SO ₂ ⁿ C ₃ H ₇	H	SO ₂ ⁿ C ₃ H ₇	H
1943	0	H	H	H	H	SO ₂ ⁿ C ₃ H ₇	H	H	H
1944	0	SO ₂ ⁿ C ₃ H ₇	H	H	H	H	H	SO ₂ ⁿ C ₃ H ₇	H
1945	0	SO ₂ ⁿ C ₃ H ₇	H	H	H	SO ₂ ⁿ C ₃ H ₇	H	H	H
1946	0	SO ₂ C ₃ H ₇	H	H	H	H	H	H	H
1947	0	H	H	H	H	SO ₂ ⁱ C ₃ H ₇	H	SO ₂ ⁱ C ₃ H ₇	H
1948	0	H	H	H	H	SO ₂ ⁱ C ₃ H ₇	H	H	H
1949	0	SO ₂ ⁱ C ₃ H ₇	H	H	H	H	H	SO ₂ ⁱ C ₃ H ₇	H
1950	0	SO ₂ ⁱ C ₃ H ₇	H	H	H	SO ₂ ⁱ C ₃ H ₇	H	H	H
1951	0	SO ₂ ⁿ C ₄ H ₉	H	H	H	H	H	H	H
1952	0	H	H	H	H	SO ₂ ⁿ C ₄ H ₉	H	SO ₂ ⁿ C ₄ H ₉	H
1953	0	H	H	H	H	SO ₂ ⁿ C ₄ H ₉	H	H	H
1954	0	SO ₂ ⁿ C ₄ H ₉	H	H	H	H	H	SO ₂ ⁿ C ₄ H ₉	H

Table 2] (Continued)

Compound No.	X	R ₁	R ₂	R ₆	R ₁₀	R ₁₁	R ₁₂	R ₁₃
1955	0	SO ₂ ⁿ C ₄ H ₉	H	H	SO ₂ ⁿ C ₄ H ₉	H	H	H
1956	0	SO ₂ ¹ C ₄ H ₉	H	H	H	H	H	H
1957	0	H	H	H	SO ₂ ¹ C ₄ H ₉	H	SO ₂ ¹ C ₄ H ₉	H
1958	0	H	H	H	SO ₂ ¹ C ₄ H ₉	H	H	H
1959	0	SO ₂ ¹ C ₄ H ₉	H	H	H	H	SO ₂ ¹ C ₄ H ₉	H
1960	0	SO ₂ ¹ C ₄ H ₉	H	H	SO ₂ ¹ C ₄ H ₉	H	H	H
1961	0	SO ₂ ⁿ C ₄ H ₉	H	H	H	H	SO ₂ ⁿ C ₄ H ₉	H
1962	0	H	H	H	SO ₂ ⁿ C ₄ H ₉	H	SO ₂ ⁿ C ₄ H ₉	H
1963	0	H	H	H	SO ₂ ⁿ C ₄ H ₉	H	SO ₂ ⁿ C ₄ H ₉	H
1964	0	SO ₂ ⁿ C ₄ H ₉	H	H	H	H	SO ₂ ⁿ C ₄ H ₉	H
1965	0	SO ₂ ⁿ C ₄ H ₉	H	H	SO ₂ ⁿ C ₄ H ₉	H	H	H
1966	0	SO ₂ ¹ C ₄ H ₉	H	H	H	H	SO ₂ ¹ C ₄ H ₉	H
1967	0	H	H	H	SO ₂ ¹ C ₄ H ₉	H	SO ₂ ¹ C ₄ H ₉	H
1968	0	H	H	H	SO ₂ ¹ C ₄ H ₉	H	H	H
1969	0	SO ₂ ¹ C ₄ H ₉	H	H	H	H	SO ₂ ¹ C ₄ H ₉	H
1970	0	SO ₂ ¹ C ₄ H ₉	H	H	SO ₂ ¹ C ₄ H ₉	H	H	H
1971	0	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	SO ₂ CH ₂ CH=CH ₂	H
1972	0	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	H	H
1973	0	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	SO ₂ CH ₂ CH=CH ₂	H
1974	0	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	SO ₂ CH ₂ CH=CH ₂	H

Table 2] (Continued)

Compound No.	X	R ₁	R ₂	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
1975	0	SO ₂ CH ₂ CH=CH ₂	H	H	SO ₂ CH ₂ CH=CH ₂	H	H	H
1976	0	SO ₂ C ₆ H ₅	H	H	H	H	H	H
1977	0	H	H	H	SO ₂ C ₆ H ₅	H	SO ₂ C ₆ H ₅	H
1978	0	H	H	H	SO ₂ C ₆ H ₅	H	H	H
1979	0	SO ₂ C ₆ H ₅	H	H	H	SO ₂ C ₆ H ₅	H	H
1980	0	SO ₂ C ₆ H ₅	H	H	SO ₂ C ₆ H ₅	H	H	H
1981	0	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H
1982	0	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H
1983	0	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H
1984	0	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H
1985	0	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H
1986	0	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H
1987	0	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H
1988	0	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H
1989	0	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H
1990	0	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H
1991	0	SO ₂ CH ₂ C ₆ H ₅	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	SO ₂ CH ₂ C ₆ H ₅
1992	0	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H
1993	0	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	SO ₂ CH ₂ C ₆ H ₅	H
1994	0	SO ₂ CH ₂ C ₆ H ₅	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H

Table 2] (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
1995	0	SO ₂ CH ₂ C ₆ H ₅	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H
1996	0	SO ₂ -cyclohexyl	H	H	H	SO ₂ -cyclohexyl	H	H	H
1997	0	H	H	H	H	SO ₂ -cyclohexyl	H	H	H
1998	0	H	H	H	H	SO ₂ -cyclohexyl	H	H	H
1999	0	SO ₂ -cyclohexyl	H	H	H	SO ₂ -cyclohexyl	H	H	H
2000	0	SO ₂ -cyclohexyl	H	H	H	SO ₂ -cyclohexyl	H	H	H
2001	CO	SO ₂ CH ₃	H	H	H	SO ₂ CH ₃	H	H	H
2002	CO	H	H	H	H	SO ₂ CH ₃	H	H	H
2003	CO	H	H	H	H	SO ₂ CH ₃	H	H	H
2004	CO	SO ₂ CH ₃	H	H	H	SO ₂ CH ₃	H	H	H
2005	CO	SO ₂ CH ₃	H	H	H	SO ₂ CH ₃	H	H	H
2006	CO	SO ₂ C ₂ H ₅	H	H	H	SO ₂ C ₂ H ₅	H	SO ₂ C ₂ H ₅	H
2007	CO	H	H	H	H	SO ₂ C ₂ H ₅	H	H	H
2008	CO	H	H	H	H	SO ₂ C ₂ H ₅	H	H	H
2009	CO	SO ₂ C ₂ H ₅	H	H	H	SO ₂ C ₂ H ₅	H	SO ₂ C ₂ H ₅	H
2010	CO	SO ₂ C ₂ H ₆	H	H	H	SO ₂ C ₂ H ₆	H	H	H
2011	CO	SO ₂ ⁿ C ₃ H ₇	H	H	H	SO ₂ ⁿ C ₃ H ₇	H	SO ₂ ⁿ C ₃ H ₇	H
2012	CO	H	H	H	H	SO ₂ ⁿ C ₃ H ₇	H	H	H
2013	CO	H	H	H	H	SO ₂ ⁿ C ₃ H ₇	H	H	H
2014	CO	SO ₂ ⁿ C ₃ H ₇	H	H	H	SO ₂ ⁿ C ₃ H ₇	H	SO ₂ ⁿ C ₃ H ₇	H

Table 2] (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2015	CO	SO ₂ ^s C ₃ H ₇	H	H	H	SO ₂ ^s C ₃ H ₇	H	H	H
2016	CO	SO2C ₃ H ₇	H	H	H	H	H	H	H
2017	CO	H	H	H	SO ₂ ⁱ C ₃ H ₇	H	SO ₂ ⁱ C ₃ H ₇	H	H
2018	CO	H	H	H	SO ₂ ⁱ C ₃ H ₇	H	H	H	H
2019	CO	SO ₂ ⁱ C ₃ H ₇	H	H	H	H	SO ₂ ⁱ C ₃ H ₇	H	H
2020	CO	SO ₂ ⁱ C ₃ H ₇	H	H	SO ₂ ⁱ C ₃ H ₇	H	H	H	H
2021	CO	SO ₂ ^s C ₄ H ₉	H	H	H	H	H	H	H
2022	CO	H	H	H	SO ₂ ^s C ₄ H ₉	H	SO ₂ ^s C ₄ H ₉	H	H
2023	CO	H	H	H	SO ₂ ^s C ₄ H ₉	H	H	H	H
2024	CO	SO ₂ ^v C ₄ H ₉	H	H	H	H	SO ₂ ^v C ₄ H ₉	H	H
2025	CO	SO ₂ ^v C ₄ H ₉	H	H	SO ₂ ^v C ₄ H ₉	H	H	H	H
2026	CO	SO ₂ ⁱ C ₄ H ₉	H	H	H	H	H	H	H
2027	CO	H	H	H	SO ₂ ⁱ C ₄ H ₉	H	SO ₂ ⁱ C ₄ H ₉	H	H
2028	CO	H	H	H	SO ₂ ⁱ C ₄ H ₉	H	H	H	H
2029	CO	SO ₂ ⁱ C ₄ H ₉	H	H	H	H	SO ₂ ⁱ C ₄ H ₉	H	H
2030	CO	SO ₂ ⁱ C ₄ H ₉	H	H	SO ₂ ⁱ C ₄ H ₉	H	H	H	H
2031	CO	SO ₂ ^s C ₄ H ₉	H	H	H	H	H	H	H
2032	CO	H	H	H	SO ₂ ^s C ₄ H ₉	H	SO ₂ ^s C ₄ H ₉	H	H
2033	CO	H	H	H	SO ₂ ^s C ₄ H ₉	H	H	H	H
2034	CO	SO ₂ ^s C ₄ H ₉	H	H	H	H	SO ₂ ^s C ₄ H ₉	H	H

Table 2] (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2035	CO	SO ₂ C ₄ H ₉	H	H	H	SO ₂ C ₄ H ₉	H	H	H
2036	CO	SO ₂ ^t C ₄ H ₉	H	H	H	H	H	H	H
2037	CO	H	H	H	H	SO ₂ ^t C ₄ H ₉	H	H	H
2038	CO	H	H	H	H	SO ₂ ^t C ₄ H ₉	H	H	H
2039	CO	SO ₂ ^t C ₄ H ₉	H	H	H	H	SO ₂ C ₄ H ₉	H	H
2040	CO	SO ₂ ^t C ₄ H ₉	H	H	H	SO ₂ ^t C ₄ H ₉	H	H	H
2041	CO	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	H	H	H
2042	CO	H	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	H	H
2043	CO	H	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	H	H
2044	CO	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	H
2045	CO	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	H	H	H
2046	CO	SO ₂ C ₆ H ₅	H	H	H	H	H	H	H
2047	CO	H	H	H	H	SO ₂ C ₆ H ₅	H	H	H
2048	CO	H	H	H	H	SO ₂ C ₆ H ₅	H	H	H
2049	CO	SO ₂ C ₆ H ₅	H	H	H	H	SO ₂ C ₆ H ₅	H	H
2050	CO	SO ₂ C ₆ H ₅	H	H	H	SO ₂ C ₆ H ₅	H	H	H
2051	CO	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H
2052	CO	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H
2053	CO	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H
2054	CO	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H

Table 2 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2055	CO	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H
2056	CO	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H
2057	CO	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H
2058	CO	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H
2059	CO	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H
2060	CO	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H
2061	CO	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H
2062	CO	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H
2063	CO	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H
2064	CO	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H
2065	CO	SO ₂ CH ₂ C ₆ H ₅	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H
2066	CO	SO ₂ -cyclohexyl	H	H	H	H	SO ₂ -cyclohexyl	H	H
2067	CO	H	H	H	SO ₂ -cyclohexyl	H	SO ₂ -cyclohexyl	H	H
2068	CO	H	H	H	SO ₂ -cyclohexyl	H	H	H	H
2069	CO	SO ₂ -cyclohexyl	H	H	H	H	SO ₂ -cyclohexyl	H	H
2070	CO	SO ₂ -cyclohexyl	H	H	SO ₂ -cyclohexyl	H	H	H	H
2071	CH ₂	SO ₂ CH ₃	H	H	H	H	SO ₂ CH ₃	H	H
2072	CH ₂	H	H	H	SO ₂ CH ₃	H	H	H	H
2073	CH ₂	H	H	H	SO ₂ CH ₃	H	H	H	H
2074	CH ₂	SO ₂ CH ₃	H	H	H	H	SO ₂ CH ₃	H	H

Table 2] (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2075	CH ₂	SO ₂ CH ₃	H	H	H	SO ₂ CH ₃	H	H	H
2076	CH ₂	SO ₂ C ₆ H ₅	H	H	H	H	H	H	H
2077	CH ₂	H	H	H	H	SO ₂ C ₆ H ₅	H	H	SO ₂ C ₆ H ₅
2078	CH ₂	H	H	H	H	SO ₂ C ₆ H ₅	H	H	H
2079	CH ₂	SO ₂ C ₆ H ₅	H	H	H	H	H	SO ₂ C ₆ H ₅	H
2080	CH ₂	SO ₂ C ₆ H ₅	H	H	H	SO ₂ C ₆ H ₅	H	H	H
2081	CH ₂	SO ₂ ⁿ C ₆ H ₇	H	H	H	H	H	H	H
2082	CH ₂	H	H	H	H	SO ₂ ⁿ C ₆ H ₇	H	SO ₂ ⁿ C ₆ H ₇	H
2083	CH ₂	H	H	H	H	SO ₂ ⁱ C ₆ H ₇	H	H	H
2084	CH ₂	SO ₂ ⁿ C ₆ H ₇	H	H	H	H	H	SO ₂ ⁿ C ₆ H ₇	H
2085	CH ₂	SO ₂ ⁿ C ₆ H ₇	H	H	H	SO ₂ ⁿ C ₆ H ₇	H	H	H
2086	CH ₂	SO ₂ ⁱ C ₆ H ₇	H	H	H	H	H	H	H
2087	CH ₂	H	H	H	H	SO ₂ ⁱ C ₆ H ₇	H	SO ₂ ⁱ C ₆ H ₇	H
2088	CH ₂	H	H	H	H	SO ₂ ⁱ C ₆ H ₇	H	H	H
2089	CH ₂	SO ₂ ⁱ C ₆ H ₇	H	H	H	H	H	SO ₂ ⁱ C ₆ H ₇	H
2090	CH ₂	SO ₂ ⁱ C ₆ H ₇	H	H	H	SO ₂ ⁱ C ₆ H ₇	H	H	H
2091	CH ₂	SO ₂ ⁿ C ₆ H ₉	H	H	H	H	H	H	H
2092	CH ₂	H	H	H	H	SO ₂ ⁿ C ₆ H ₉	H	SO ₂ ⁿ C ₆ H ₉	H
2093	CH ₂	H	H	H	H	SO ₂ ⁿ C ₆ H ₉	H	H	H
2094	CH ₂	SO ₂ ⁿ C ₆ H ₉	H	H	H	H	H	SO ₂ ⁿ C ₆ H ₉	H

Table 2] (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₁₁	R ₁₂	R ₁₃
2095	CH ₂	SO ₂ ⁿ C ₄ H ₉	H	H	H	SO ₂ ⁿ C ₄ H ₉	H	H	H	H
2096	CH ₂	SO ₂ ⁱ C ₄ H ₉	H	H	H	SO ₂ ⁱ C ₄ H ₉	H	H	H	H
2097	CH ₂	H	H	H	SO ₂ ⁱ C ₄ H ₉	H	SO ₂ ⁱ C ₄ H ₉	H	H	H
2098	CH ₂	H	H	H	SO ₂ ⁱ C ₄ H ₉	H	SO ₂ ⁱ C ₄ H ₉	H	H	H
2099	CH ₂	SO ₂ ⁱ C ₄ H ₉	H	H	H	H	SO ₂ ⁱ C ₄ H ₉	H	H	H
2100	CH ₂	SO ₂ ⁱ C ₄ H ₉	H	H	SO ₂ ⁱ C ₄ H ₉	H	H	H	H	H
2101	CH ₂	SO ₂ ^s C ₄ H ₉	H	H	H	H	H	H	H	H
2102	CH ₂	H	H	H	SO ₂ ^s C ₄ H ₉	H	SO ₂ ^s C ₄ H ₉	H	H	H
2103	CH ₂	H	H	H	SO ₂ ^s C ₄ H ₉	H	SO ₂ ^s C ₄ H ₉	H	H	H
2104	CH ₂	SO ₂ ^s C ₄ H ₉	H	H	H	H	H	SO ₂ ^s C ₄ H ₉	H	H
2105	CH ₂	SO ₂ ^s C ₄ H ₉	H	H	H	SO ₂ ^s C ₄ H ₉	H	H	H	H
2106	CH ₂	SO ₂ ^t C ₄ H ₉	H	H	H	H	H	H	H	H
2107	CH ₂	H	H	H	SO ₂ ^t C ₄ H ₉	H	SO ₂ ^t C ₄ H ₉	H	H	H
2108	CH ₂	H	H	H	SO ₂ ^t C ₄ H ₉	H	SO ₂ ^t C ₄ H ₉	H	H	H
2109	CH ₂	SO ₂ ^t C ₄ H ₉	H	H	H	H	H	SO ₂ ^t C ₄ H ₉	H	H
2110	CH ₂	SO ₂ ^t C ₄ H ₉	H	H	H	SO ₂ ^t C ₄ H ₉	H	H	H	H
2111	CH ₂	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	H	H	H	H
2112	CH ₂	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	SO ₂ CH ₂ CH=CH ₂	H	H	H
2113	CH ₂	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	SO ₂ CH ₂ CH=CH ₂	H	H	H
2114	CH ₂	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	H	H

Table 2] (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2115	CH ₂	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	H	H
2116	CH ₂	SO ₂ C ₆ H ₅	H	H	H	H		H	H	H
2117	CH ₂	H	H	H	H	H	SO ₂ C ₆ H ₅	H	H	H
2118	CH ₂	H	H	H	H	H	SO ₂ C ₆ H ₅	H	H	H
2119	CH ₂	SO ₂ C ₆ H ₅	H	H	H	H		SO ₂ C ₆ H ₅	H	H
2120	CH ₂	SO ₂ C ₆ H ₅	H	H	H	H	SO ₂ C ₆ H ₅	H	H	H
2121	CH ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H
2122	CH ₂	H	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H
2123	CH ₂	H	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H
2124	CH ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H
2125	CH ₂	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H
2126	CH ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H
2127	CH ₂	H	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	SO ₂ (o-CH ₃)C ₆ H ₄	H
2128	CH ₂	H	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H
2129	CH ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H
2130	CH ₂	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H
2131	CH ₂	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H		H	H	H
2132	CH ₂	H	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	SO ₂ CH ₂ C ₆ H ₅	H
2133	CH ₂	H	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H
2134	CH ₂	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H

Table 2】(Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2135	CH ₂	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H
2136	CH ₂	SO ₂ -cyclohexyl	H	H	H	H	SO ₂ -cyclohexyl	H	H	H
2137	CH ₂	H	H	H	H	H	SO ₂ -cyclohexyl	H	H	H
2138	CH ₂	H	H	H	H	H	SO ₂ -cyclohexyl	H	H	H
2139	CH ₂	SO ₂ -cyclohexyl	H	H	H	H	SO ₂ -cyclohexyl	H	H	H
2140	CH ₂	SO ₂ -cyclohexyl	H	H	H	H	SO ₂ -cyclohexyl	H	H	H
2141	CH ₃ CCH ₃	SO ₂ CH ₃	H	H	H	H	SO ₂ CH ₃	H	H	H
2142	CH ₃ CCH ₃	H	H	H	H	H	SO ₂ CH ₃	H	H	H
2143	CH ₃ CCH ₃	H	H	H	H	H	SO ₂ CH ₃	H	H	H
2144	CH ₃ CCH ₃	SO ₂ CH ₃	H	H	H	H	SO ₂ CH ₃	H	H	H
2145	CH ₃ CCH ₃	SO ₂ CH ₃	H	H	H	H	SO ₂ CH ₃	H	H	H
2146	CH ₃ CCH ₃	SO ₂ C ₆ H ₅	H	H	H	H	SO ₂ C ₆ H ₅	H	H	H
2147	CH ₃ CCH ₃	H	H	H	H	H	SO ₂ C ₆ H ₅	H	H	H
2148	CH ₃ CCH ₃	H	H	H	H	H	SO ₂ C ₆ H ₅	H	H	H
2149	CH ₃ CCH ₃	SO ₂ C ₆ H ₅	H	H	H	H	SO ₂ C ₆ H ₅	H	H	H
2150	CH ₃ CCH ₃	SO ₂ C ₆ H ₅	H	H	H	H	SO ₂ C ₆ H ₅	H	H	H
2151	CH ₃ CCH ₃	SO ₂ ⁻ C ₃ H ₇	H	H	H	H	SO ₂ ⁻ C ₃ H ₇	H	H	H
2152	CH ₃ CCH ₃	H	H	H	H	H	SO ₂ ⁻ C ₃ H ₇	H	H	H
2153	CH ₃ CCH ₃	H	H	H	H	H	SO ₂ ⁻ C ₃ H ₇	H	H	H
2154	CH ₃ CCH ₃	SO ₂ ⁻ C ₃ H ₇	H	H	H	H	SO ₂ ⁻ C ₃ H ₇	H	H	H

Table 21 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2155	CH ₃ CCl ₃	SO ₂ ⁿ C ₃ H ₇	H	H	H	SO ₂ ⁿ C ₃ H ₇	H	H	H
2156	CH ₃ CCl ₃	SO ₂ ⁱ C ₃ H ₇	H	H	H	SO ₂ ⁱ C ₃ H ₇	H	H	H
2157	CH ₃ CCl ₃	H	H	H	H	SO ₂ ⁱ C ₃ H ₇	H	H	H
2158	CH ₃ CCl ₃	H	H	H	H	SO ₂ ⁱ C ₃ H ₇	H	H	H
2159	CH ₃ CCl ₃	SO ₂ ⁱ C ₃ H ₇	H	H	H	SO ₂ ⁱ C ₃ H ₇	H	H	H
2160	CH ₃ CCl ₃	SO ₂ ⁱ C ₃ H ₇	H	H	H	SO ₂ ⁱ C ₃ H ₇	H	H	H
2161	CH ₃ CCl ₃	SO ₂ ⁿ C ₄ H ₉	H	H	H	SO ₂ ⁿ C ₄ H ₉	H	H	H
2162	CH ₃ CCl ₃	H	H	H	H	SO ₂ ⁿ C ₄ H ₉	H	SO ₂ ⁿ C ₄ H ₉	H
2163	CH ₃ CCl ₃	H	H	H	H	SO ₂ ⁱ C ₄ H ₉	H	H	H
2164	CH ₃ COCH ₃	SO ₂ ⁿ C ₄ H ₉	H	H	H	SO ₂ ⁿ C ₄ H ₉	H	SO ₂ ⁿ C ₄ H ₉	H
2165	CH ₃ COCH ₃	SO ₂ ⁿ C ₄ H ₉	H	H	H	SO ₂ ⁿ C ₄ H ₉	H	H	H
2166	CH ₃ COCH ₃	SO ₂ ⁱ C ₄ H ₉	H	H	H	SO ₂ ⁱ C ₄ H ₉	H	H	H
2167	CH ₃ COCH ₃	H	H	H	H	SO ₂ ⁱ C ₄ H ₉	H	SO ₂ ⁱ C ₄ H ₉	H
2168	CH ₃ COCH ₃	H	H	H	H	SO ₂ ⁱ C ₄ H ₉	H	H	H
2169	CH ₃ COCH ₃	SO ₂ ⁱ C ₄ H ₉	H	H	H	SO ₂ ⁱ C ₄ H ₉	H	SO ₂ ⁱ C ₄ H ₉	H
2170	CH ₃ COCH ₃	SO ₂ ⁱ C ₄ H ₉	H	H	H	SO ₂ ⁱ C ₄ H ₉	H	H	H
2171	CH ₃ COCH ₃	SO ₂ ^s C ₄ H ₉	H	H	H	SO ₂ ^s C ₄ H ₉	H	H	H
2172	CH ₃ COCH ₃	H	H	H	H	SO ₂ ^s C ₄ H ₉	H	SO ₂ ^s C ₄ H ₉	H
2173	CH ₃ COCH ₃	H	H	H	H	SO ₂ ^s C ₄ H ₉	H	H	H
2174	CH ₃ COCH ₃	SO ₂ ^s C ₄ H ₉	H	H	H	SO ₂ ^s C ₄ H ₉	H	SO ₂ ^s C ₄ H ₉	H

Table 2】 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2175	CH ₃ CCH ₃	SO ₂ ^s C ₄ H ₉	H	H	H	SO ₂ ^s C ₄ H ₉	H	H	H
2176	CH ₃ CCH ₃	SO ₂ ^t C ₄ H ₉	H	H	H	H	H	H	H
2177	CH ₃ CCH ₃	H	H	H	H	SO ₂ ^t C ₄ H ₉	H	H	H
2178	CH ₃ CCH ₃	H	H	H	H	SO ₂ ^t C ₄ H ₉	H	H	H
2179	CH ₃ CCH ₃	SO ₂ ^t C ₄ H ₉	H	H	H	H	SO ₂ ^t C ₄ H ₉	H	H
2180	CH ₃ CCH ₃	SO ₂ ^t C ₄ H ₉	H	H	H	SO ₂ ^t C ₄ H ₉	H	H	H
2181	CH ₃ CCH ₃	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	H	H	H
2182	CH ₃ CCH ₃	H	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	SO ₂ CH ₂ CH=CH ₂	H
2183	CH ₃ CCH ₃	H	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	H	H
2184	CH ₃ CCH ₃	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	H
2185	CH ₃ CCH ₃	SO ₂ CH ₂ CH=CH ₂	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	H	H
2186	CH ₃ CCH ₃	SO ₂ C ₄ H ₉	H	H	H	H	H	H	H
2187	CH ₃ CCH ₃	H	H	H	H	SO ₂ C ₆ H ₅	H	SO ₂ C ₆ H ₅	H
2188	CH ₃ CCH ₃	H	H	H	H	SO ₂ C ₆ H ₅	H	H	H
2189	CH ₃ CCH ₃	SO ₂ C ₆ H ₅	H	H	H	H	H	SO ₂ C ₆ H ₅	H
2190	CH ₃ CCH ₃	SO ₂ C ₆ H ₅	H	H	H	SO ₂ C ₆ H ₅	H	H	H
2191	CH ₃ CCH ₃	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H
2192	CH ₃ CCH ₃	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	SO ₂ (p-CH ₃)C ₆ H ₄	H
2193	CH ₃ CCH ₃	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H
2194	CH ₃ CCH ₃	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H

Table 2 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2195	CH ₃ CCH ₃	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H
2196	CH ₃ COH ₃	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H
2197	CH ₃ CCH ₃	H	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H
2198	CH ₃ COH ₃	H	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H
2199	CH ₃ CCH ₃	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H
2200	CH ₃ CCH ₃	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H
2201	CH ₃ COH ₃	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H
2202	CH ₃ CCH ₃	H	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H
2203	CH ₃ COH ₃	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H
2204	CH ₃ CCH ₃	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H
2205	CH ₃ COH ₃	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H
2206	CH ₃ CCH ₃	SO ₂ -cyclohexyl	H	H	H	H	SO ₂ -cyclohexyl	H	H	H
2207	CH ₃ CCH ₃	H	H	H	H	H	SO ₂ -cyclohexyl	H	H	H
2208	CH ₃ COH ₃	H	H	H	H	H	SO ₂ -cyclohexyl	H	H	H
2209	CH ₃ CCH ₃	SO ₂ -cyclohexyl	H	H	H	H	SO ₂ -cyclohexyl	H	H	H
2210	CH ₃ CCH ₃	SO ₂ -cyclohexyl	H	H	H	H	SO ₂ -cyclohexyl	H	H	H
2211	CH ₃ CC(CH ₃) ₃	SO ₂ CH ₃	H	H	H	H	SO ₂ CH ₃	H	H	H
2212	CH ₃ CC(CH ₃) ₃	H	H	H	H	H	SO ₂ CH ₃	H	H	H
2213	CH ₃ CC(CH ₃) ₃	H	H	H	H	H	SO ₂ CH ₃	H	H	H
2214	CH ₃ CC(CH ₃) ₃	SO ₂ CH ₃	H	H	H	H	SO ₂ CH ₃	H	H	H

Table 2 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2215	CH ₃ CC(CH ₃) ₃	SO ₂ CH ₃	H	H	H	SO ₂ CH ₃	H	H	H
2216	CH ₃ CC(CH ₃) ₃	SO ₂ C ₆ H ₅	H	H	H		H	H	H
2217	CH ₃ CC(CH ₃) ₃	H	H	H		SO ₂ C ₂ H ₅	H	H	SO ₂ C ₆ H ₅
2218	CH ₃ CC(CH ₃) ₃	H	H	H		SO ₂ C ₂ H ₅	H	H	H
2219	CH ₃ CC(CH ₃) ₃	SO ₂ C ₂ H ₅	H	H	H		SO ₂ C ₂ H ₅	H	H
2220	CH ₃ CC(CH ₃) ₃	SO ₂ C ₂ H ₅	H	H		SO ₂ C ₂ H ₅	H	H	H
2221	CH ₃ CC(CH ₃) ₃	SO ₂ ⁱ C ₆ H ₇	H	H	H		H	H	H
2222	CH ₃ CC(CH ₃) ₃	H	H	H		SO ₂ ⁿ C ₆ H ₇	H	SO ₂ ⁿ C ₃ H ₇	H
2223	CH ₃ CC(CH ₃) ₃	H	H	H		SO ₂ ⁿ C ₃ H ₇	H	H	H
2224	CH ₃ CC(CH ₃) ₃	SO ₂ ⁿ C ₆ H ₇	H	H	H		H	SO ₂ ⁿ C ₃ H ₇	H
2225	CH ₃ CC(CH ₃) ₃	SO ₂ ⁿ C ₃ H ₇	H	H	H		H	H	H
2226	CH ₃ CC(CH ₃) ₃	SO2C ₃ H ₇	H	H	H		H	H	H
2227	CH ₃ CC(CH ₃) ₃	H	H	H		SO ₂ ⁱ C ₃ H ₇	H	SO ₂ ⁱ C ₃ H ₇	H
2228	CH ₃ CC(CH ₃) ₃	H	H	H		SO ₂ ⁱ C ₆ H ₇	H	H	H
2229	CH ₃ CC(CH ₃) ₃	SO ₂ C ₆ H ₇	H	H	H		SO ₂ ⁱ C ₃ H ₇	H	H
2230	CH ₃ CC(CH ₃) ₃	SO ₂ C ₃ H ₇	H	H	H		SO ₂ ⁱ C ₃ H ₇	H	H
2231	CH ₃ CC(CH ₃) ₃	SO ₂ C ₄ H ₉	H	H	H		H	H	H
2232	CH ₃ CC(CH ₃) ₃	H	H	H		SO ₂ ⁿ C ₄ H ₉	H	SO ₂ ⁿ C ₄ H ₉	H
2233	CH ₃ CC(CH ₃) ₃	H	H	H		SO ₂ ⁿ C ₆ H ₉	H	H	H
2234	CH ₃ CC(CH ₃) ₃	SO ₂ ⁿ C ₄ H ₉	H	H	H		SO ₂ ⁿ C ₄ H ₉	H	H

[Table 2] (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2235	CH ₃ CC(CH ₃) ₃	SO ₂ ⁿ C ₄ H ₉	H	H	H	SO ₂ ⁿ C ₄ H ₉	H	H	H
2236	CH ₃ CC(CH ₃) ₃	SO ₂ ⁱ C ₄ H ₉	H	H	H	SO ₂ ⁱ C ₄ H ₉	H	H	H
2237	CH ₃ CC(CH ₃) ₃	H	H	H	H	SO ₂ ^t C ₄ H ₉	H	H	H
2238	CH ₃ CC(CH ₃) ₃	H	H	H	H	SO ₂ ^t C ₄ H ₉	H	H	H
2239	CH ₃ CC(CH ₃) ₃	SO ₂ ⁱ C ₄ H ₉	H	H	H	SO ₂ ⁱ C ₄ H ₉	H	H	H
2240	CH ₃ CC(CH ₃) ₃	SO ₂ ^t C ₄ H ₉	H	H	H	SO ₂ ^t C ₄ H ₉	H	H	H
2241	CH ₃ CC(CH ₃) ₃	SO ₂ ^s C ₄ H ₉	H	H	H	SO ₂ ^s C ₄ H ₉	H	H	H
2242	CH ₃ CC(CH ₃) ₃	H	H	H	H	SO ₂ ^s C ₄ H ₉	H	H	H
2243	CH ₃ CC(CH ₃) ₃	H	H	H	H	SO ₂ ^s C ₄ H ₉	H	H	H
2244	CH ₃ CC(CH ₃) ₃	SO ₂ ^t C ₄ H ₉	H	H	H	SO ₂ ^t C ₄ H ₉	H	H	H
2245	CH ₃ CC(CH ₃) ₃	SO ₂ ^s C ₄ H ₉	H	H	H	SO ₂ ^s C ₄ H ₉	H	H	H
2246	CH ₃ CC(CH ₃) ₃	SO ₂ ⁱ C ₄ H ₉	H	H	H	SO ₂ ⁱ C ₄ H ₉	H	H	H
2247	CH ₃ CC(CH ₃) ₃	H	H	H	H	SO ₂ ^t C ₄ H ₉	H	H	H
2248	CH ₃ CC(CH ₃) ₃	H	H	H	H	SO ₂ ^t C ₄ H ₉	H	H	H
2249	CH ₃ CC(CH ₃) ₃	SO ₂ ⁱ C ₄ H ₉	H	H	H	SO ₂ ⁱ C ₄ H ₉	H	H	H
2250	CH ₃ CC(CH ₃) ₃	SO ₂ ^t C ₄ H ₉	H	H	H	SO ₂ ^t C ₄ H ₉	H	H	H
2251	CH ₃ CC(CH ₃) ₃	SO ₂ CH ₂ CH=CH ₂	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	H	H
2252	CH ₃ CC(CH ₃) ₃	H	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	H	H
2253	CH ₃ CC(CH ₃) ₃	H	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	H	H
2254	CH ₃ CC(CH ₃) ₃	SO ₂ CH ₂ CH=CH ₂	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	H	H

Table 2】(Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2255	CH ₃ CC(CH ₃) ₃	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	H	H	H	H	H	H	H	H
2256	CH ₃ CC(CH ₃) ₃	SO ₂ C ₆ H ₅	H	H	H	H	H	H	H	H	H	H	H	H
2257	CH ₃ CC(CH ₃) ₃	H	H	H	H	H	H	H	H	H	H	H	H	H
2258	CH ₃ CC(CH ₃) ₃	H	H	H	H	H	H	H	H	H	H	H	H	H
2259	CH ₃ CC(CH ₃) ₃	SO ₂ C ₆ H ₅	H	H	H	H	H	H	H	H	H	H	H	H
2260	CH ₃ CC(CH ₃) ₃	SO ₂ C ₆ H ₅	H	H	H	H	H	H	H	H	H	H	H	H
2261	CH ₃ CC(CH ₃) ₃	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H	H	H	H	H	H
2262	CH ₃ CC(CH ₃) ₃	H	H	H	H	H	H	H	H	H	H	H	H	H
2263	CH ₃ OC(CH ₃) ₃	H	H	H	H	H	H	H	H	H	H	H	H	H
2264	CH ₃ CC(CH ₃) ₃	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H	H	H	H	H	H
2265	CH ₃ CC(CH ₃) ₃	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H	H	H	H	H	H
2266	CH ₃ CC(CH ₃) ₃	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H	H	H	H	H	H
2267	CH ₃ CC(CH ₃) ₃	H	H	H	H	H	H	H	H	H	H	H	H	H
2268	CH ₃ CC(CH ₃) ₃	H	H	H	H	H	H	H	H	H	H	H	H	H
2269	CH ₃ CC(CH ₃) ₃	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H	H	H	H	H	H
2270	CH ₃ CC(CH ₃) ₃	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H	H	H	H	H	H
2271	CH ₃ CC(CH ₃) ₃	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	H	H	H	H	H	H	H	H
2272	CH ₃ CC(CH ₃) ₃	H	H	H	H	H	H	H	H	H	H	H	H	H
2273	CH ₃ CC(CH ₃) ₃	H	H	H	H	H	H	H	H	H	H	H	H	H
2274	CH ₃ CC(CH ₃) ₃	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	H	H	H	H	H	H	H	H

Table 21 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₆	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2275	CH ₃ CC(CH ₃) ₃	SO ₂ CH ₂ C ₆ H ₅	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H
2276	CH ₃ CC(CH ₃) ₃	SO ₂ -cyclohexyl	H	H	H	SO ₂ -cyclohexyl	H	H	H
2277	CH ₃ CC(CH ₃) ₃	H	H	H	H	SO ₂ -cyclohexyl	H	H	H
2278	CH ₃ CC(CH ₃) ₃	H	H	H	H	SO ₂ -cyclohexyl	H	H	H
2279	CH ₃ CC(CH ₃) ₃	SO ₂ -cyclohexyl	H	H	H	SO ₂ -cyclohexyl	H	H	H
2280	CH ₃ CC(CH ₃) ₃	SO ₂ -cyclohexyl	H	H	H	SO ₂ -cyclohexyl	H	H	H
2281	CH ₃ CC ₆ H ₅	SO ₂ CH ₃	H	H	H	SO ₂ CH ₃	H	H	H
2282	CH ₃ CC ₆ H ₅	H	H	H	H	SO ₂ CH ₃	H	H	H
2283	CH ₃ CC ₆ H ₅	SO ₂ CH ₃	H	H	H	SO ₂ CH ₃	H	H	H
2284	CH ₃ CC ₆ H ₅	SO ₂ CH ₃	H	H	H	SO ₂ CH ₃	H	H	H
2285	CH ₃ CC ₆ H ₅	SO ₂ CH ₃	H	H	H	SO ₂ CH ₃	H	H	H
2286	CH ₃ CC ₆ H ₅	SO ₂ CH ₃	H	H	H	SO ₂ CH ₃	H	H	H
2287	CH ₃ CC ₆ H ₅	H	H	H	H	SO ₂ CH ₃	H	H	H
2288	CH ₃ CC ₆ H ₅	H	H	H	H	SO ₂ CH ₃	H	H	H
2289	CH ₃ CC ₆ H ₅	SO ₂ CH ₃	H	H	H	SO ₂ CH ₃	H	H	H
2290	CH ₃ CC ₆ H ₅	SO ₂ CH ₃	H	H	H	SO ₂ CH ₃	H	H	H
2291	CH ₃ CC ₆ H ₅	SO ₂ C ₃ H ₇	H	H	H	SO ₂ C ₃ H ₇	H	H	H
2292	CH ₃ CC ₆ H ₅	H	H	H	H	SO ₂ C ₃ H ₇	H	H	H
2293	CH ₃ CC ₆ H ₅	H	H	H	H	SO ₂ C ₃ H ₇	H	H	H
2294	CH ₃ CC ₆ H ₅	SO ₂ C ₃ H ₇	H	H	H	SO ₂ C ₃ H ₇	H	H	H

Table 21 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2295	CH ₃ CC ₆ H ₅	SO ₂ ⁿ C ₆ H ₇	H	H	H	SO ₂ ⁿ C ₃ H ₇	H	H	H
2296	CH ₃ CC ₆ H ₅	SO2 ⁱ C ₆ H ₇	H	H	H	SO ₂ ⁱ C ₃ H ₇	H	H	H
2297	CH ₃ CC ₆ H ₅	H	H	H	H	SO ₂ ⁱ C ₃ H ₇	H	H	H
2298	CH ₃ CC ₆ H ₅	H	H	H	H	SO ₂ ⁱ C ₃ H ₇	H	H	H
2299	CH ₃ CC ₆ H ₅	SO ₂ ⁱ C ₆ H ₇	H	H	H	SO ₂ ⁱ C ₃ H ₇	H	H	H
2300	CH ₃ CC ₆ H ₅	SO ₂ ⁱ C ₆ H ₇	H	H	H	SO ₂ ⁱ C ₃ H ₇	H	H	H
2301	CH ₃ CC ₆ H ₅	SO ₂ ⁿ C ₆ H ₉	H	H	H	SO ₂ ⁿ C ₄ H ₉	H	H	H
2302	CH ₃ CC ₆ H ₅	H	H	H	H	SO ₂ ⁿ C ₄ H ₉	H	H	H
2303	CH ₃ CC ₆ H ₅	H	H	H	H	SO ₂ ⁿ C ₄ H ₉	H	H	H
2304	CH ₃ CC ₆ H ₅	SO ₂ ⁿ C ₄ H ₉	H	H	H	SO ₂ ⁿ C ₄ H ₉	H	H	H
2305	CH ₃ CC ₆ H ₅	SO ₂ ⁿ C ₆ H ₉	H	H	H	SO ₂ ⁿ C ₄ H ₉	H	H	H
2306	CH ₃ CC ₆ H ₅	SO ₂ ⁱ C ₆ H ₉	H	H	H	SO ₂ ⁱ C ₄ H ₉	H	H	H
2307	CH ₃ CC ₆ H ₅	H	H	H	H	SO ₂ ⁱ C ₄ H ₉	H	H	H
2308	CH ₃ CC ₆ H ₅	H	H	H	H	SO ₂ ⁱ C ₄ H ₉	H	H	H
2309	CH ₃ CC ₆ H ₅	SO ₂ ⁱ C ₆ H ₉	H	H	H	SO ₂ ⁱ C ₄ H ₉	H	H	H
2310	CH ₃ CC ₆ H ₅	SO ₂ ⁱ C ₄ H ₉	H	H	H	SO ₂ ⁱ C ₃ H ₉	H	H	H
2311	CH ₃ CC ₆ H ₅	SO ₂ ⁱ C ₆ H ₉	H	H	H	SO ₂ ⁱ C ₃ H ₉	H	H	H
2312	CH ₃ CC ₆ H ₅	H	H	H	H	SO ₂ ^s C ₄ H ₉	H	H	H
2313	CH ₃ CC ₆ H ₅	H	H	H	H	SO ₂ ^s C ₄ H ₉	H	H	H
2314	CH ₃ CC ₆ H ₅	SO ₂ ^s C ₆ H ₉	H	H	H	SO ₂ ^s C ₄ H ₉	H	H	H

Table 21 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2315	CH ₃ CC ₆ H ₅	SO ₂ ^s C ₆ H ₅	H	H	H	SO ₂ ^s C ₆ H ₅	H	H	H
2316	CH ₃ CC ₆ H ₅	SO ₂ ^t C ₆ H ₅	H	H	H	SO ₂ ^t C ₆ H ₅	H	H	H
2317	CH ₃ CC ₆ H ₅	H	H	H	H	SO ₂ ^t C ₆ H ₅	H	H	H
2318	CH ₃ CC ₆ H ₅	H	H	H	H	SO ₂ ^t C ₆ H ₅	H	H	H
2319	CH ₃ CC ₆ H ₅	SO ₂ ^t C ₆ H ₅	H	H	H	SO ₂ ^t C ₆ H ₅	H	H	H
2320	CH ₃ CC ₆ H ₅	SO ₂ ^t C ₆ H ₅	H	H	H	SO ₂ ^t C ₆ H ₅	H	H	H
2321	CH ₃ CC ₆ H ₅	SO ₂ CH ₂ CH=CH ₂	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	SO ₂ CH ₂ CH=CH ₂	H
2322	CH ₃ CC ₆ H ₅	H	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	SO ₂ CH ₂ CH=CH ₂	H
2323	CH ₃ CC ₆ H ₅	SO ₂ CH ₂ CH=CH ₂	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	SO ₂ CH ₂ CH=CH ₂	H
2324	CH ₃ CC ₆ H ₅	SO ₂ CH ₂ CH=CH ₂	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	SO ₂ CH ₂ CH=CH ₂	H
2325	CH ₃ CC ₆ H ₅	SO ₂ CH ₂ CH=CH ₂	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	SO ₂ CH ₂ CH=CH ₂	H
2326	CH ₃ CC ₆ H ₅	SO ₂ C ₆ H ₅	H	H	H	SO ₂ C ₆ H ₅	H	SO ₂ C ₆ H ₅	H
2327	CH ₃ CC ₆ H ₅	H	H	H	H	SO ₂ C ₆ H ₅	H	SO ₂ C ₆ H ₅	H
2328	CH ₃ CC ₆ H ₅	H	H	H	H	SO ₂ C ₆ H ₅	H	SO ₂ C ₆ H ₅	H
2329	CH ₃ CC ₆ H ₅	SO ₂ C ₆ H ₅	H	H	H	SO ₂ C ₆ H ₅	H	SO ₂ C ₆ H ₅	H
2330	CH ₃ CC ₆ H ₅	SO ₂ C ₆ H ₅	H	H	H	SO ₂ C ₆ H ₅	H	SO ₂ C ₆ H ₅	H
2331	CH ₃ CC ₆ H ₅	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	SO ₂ (p-CH ₃)C ₆ H ₄	H
2332	CH ₃ CC ₆ H ₅	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	SO ₂ (p-CH ₃)C ₆ H ₄	H
2333	CH ₃ CC ₆ H ₅	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	SO ₂ (p-CH ₃)C ₆ H ₄	H
2334	CH ₃ CC ₆ H ₅	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	SO ₂ (p-CH ₃)C ₆ H ₄	H

Table 21 (Continued)

Compound No.	X	R _i	R ₂	R ₄	R ₅	R ₆	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2335	CH ₃ CC ₆ H ₅	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H
2336	CH ₃ CC ₆ H ₅	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H	H
2337	CH ₃ CC ₆ H ₅	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H
2338	CH ₃ CC ₆ H ₅	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H
2339	CH ₃ CC ₆ H ₅	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H
2340	CH ₃ CC ₆ H ₅	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H
2341	CH ₃ CC ₆ H ₅	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	H	H	H	H
2342	CH ₃ CC ₆ H ₅	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	SO ₂ CH ₂ C ₆ H ₅	H	H
2343	CH ₃ CC ₆ H ₅	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H
2344	CH ₃ CC ₆ H ₅	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H
2345	CH ₃ CC ₆ H ₅	SO ₂ CH ₂ C ₆ H ₅	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H
2346	CH ₃ CC ₆ H ₅	SO ₂ -cyclohexyl	H	H	H	H	H	H	H	H
2347	CH ₃ CC ₆ H ₅	H	H	H	H	SO ₂ -cyclohexyl	H	SO ₂ -cyclohexyl	H	H
2348	CH ₃ CC ₆ H ₅	H	H	H	H	SO ₂ -cyclohexyl	H	H	H	H
2349	CH ₃ CC ₆ H ₅	SO ₂ -cyclohexyl	H	H	H	H	H	SO ₂ -cyclohexyl	H	H
2350	CH ₃ CC ₆ H ₅	SO ₂ -cyclohexyl	H	H	H	SO ₂ -cyclohexyl	H	H	H	H
2351	None	SO ₂ Cl ₃	H	H	H	H	H	H	H	H
2352	None	H	H	H	H	SO ₂ Cl ₃	H	SO ₂ Cl ₃	H	H
2353	None	H	H	H	H	SO ₂ Cl ₃	H	H	H	H
2354	None	SO ₂ Cl ₃	H	H	H	H	H	SO ₂ Cl ₃	H	H

Table 21 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2355	None	SO ₂ CH ₃	H	H	H	H	H	H	SO ₂ CH ₃	H	H	H	H	H
2356	None	SO ₂ C ₂ H ₅	H	H	H	H	H	H	SO ₂ C ₂ H ₅	H	H	H	H	H
2357	None	H	H	H	H	H	H	H	SO ₂ C ₂ H ₅	H	SO ₂ C ₂ H ₅	H	H	H
2358	None	H	H	H	H	H	H	H	SO ₂ C ₂ H ₅	H	H	H	H	H
2359	None	SO ₂ C ₂ H ₅	H	H	H	H	H	H	SO ₂ C ₂ H ₅	H	SO ₂ C ₂ H ₅	H	H	H
2360	None	SO ₂ C ₂ H ₅	H	H	H	H	H	H	SO ₂ C ₂ H ₅	H	H	H	H	H
2361	None	SO ₂ ⁿ C ₃ H ₇	H	H	H	H	H	H	SO ₂ ⁿ C ₃ H ₇	H	SO ₂ ⁿ C ₃ H ₇	H	H	H
2362	None	H	H	H	H	H	H	H	SO ₂ ⁿ C ₃ H ₇	H	SO ₂ ⁿ C ₃ H ₇	H	H	H
2363	None	H	H	H	H	H	H	H	SO ₂ ⁿ C ₃ H ₇	H	SO ₂ ⁿ C ₃ H ₇	H	H	H
2364	None	SO ₂ ⁿ C ₃ H ₇	H	H	H	H	H	H	SO ₂ ⁿ C ₃ H ₇	H	SO ₂ ⁿ C ₃ H ₇	H	H	H
2365	None	SO ₂ ⁿ C ₃ H ₇	H	H	H	H	H	H	SO ₂ ⁿ C ₃ H ₇	H	SO ₂ ⁿ C ₃ H ₇	H	H	H
2366	None	SO ₂ ⁱ C ₃ H ₇	H	H	H	H	H	H	SO ₂ ⁱ C ₃ H ₇	H	SO ₂ ⁱ C ₃ H ₇	H	H	H
2367	None	H	H	H	H	H	H	H	SO ₂ ⁱ C ₃ H ₇	H	SO ₂ ⁱ C ₃ H ₇	H	H	H
2368	None	H	H	H	H	H	H	H	SO ₂ ⁱ C ₃ H ₇	H	SO ₂ ⁱ C ₃ H ₇	H	H	H
2369	None	SO ₂ ⁱ C ₃ H ₇	H	H	H	H	H	H	SO ₂ ⁱ C ₃ H ₇	H	SO ₂ ⁱ C ₃ H ₇	H	H	H
2370	None	SO ₂ ⁱ C ₃ H ₇	H	H	H	H	H	H	SO ₂ ⁱ C ₃ H ₇	H	SO ₂ ⁱ C ₃ H ₇	H	H	H
2371	None	SO ₂ ⁿ C ₄ H ₉	H	H	H	H	H	H	SO ₂ ⁿ C ₄ H ₉	H	SO ₂ ⁿ C ₄ H ₉	H	H	H
2372	None	H	H	H	H	H	H	H	SO ₂ ⁿ C ₄ H ₉	H	SO ₂ ⁿ C ₄ H ₉	H	H	H
2373	None	H	H	H	H	H	H	H	SO ₂ ⁿ C ₄ H ₉	H	SO ₂ ⁿ C ₄ H ₉	H	H	H
2374	None	SO ₂ ⁿ C ₄ H ₉	H	H	H	H	H	H	SO ₂ ⁿ C ₄ H ₉	H	SO ₂ ⁿ C ₄ H ₉	H	H	H

Table 21 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2375	None	SO ₂ ^v C ₄ H ₉	H	H	H	H	SO ₂ ^v C ₄ H ₉	H	H	H	H	H	H	
2376	None	SO ₂ ⁱ C ₄ H ₉	H	H	H	H	H	H	H	H	H	H	H	
2377	None	H	H	H	H	H	SO ₂ ⁱ C ₄ H ₉	H	H	H	H	H	H	
2378	None	H	H	H	H	H	SO ₂ ⁱ C ₄ H ₉	H	H	H	H	H	H	
2379	None	SO ₂ ⁱ C ₄ H ₉	H	H	H	H	H	H	H	SO ₂ ^v C ₄ H ₉	H	H	H	
2380	None	SO ₂ ⁱ C ₄ H ₉	H	H	H	H	SO ₂ ^v C ₄ H ₉	H	H	H	H	H	H	
2381	None	SO ₂ ^s C ₄ H ₉	H	H	H	H	H	H	H	H	H	H	H	
2382	None	H	H	H	H	H	SO ₂ ^s C ₄ H ₉	H	H	H	SO ₂ ^s C ₄ H ₉	H	H	
2383	None	H	H	H	H	H	SO ₂ ^s C ₄ H ₉	H	H	H	H	H	H	
2384	None	SO ₂ ^s C ₄ H ₉	H	H	H	H	H	H	H	H	H	H	H	
2385	None	SO ₂ ^s C ₄ H ₉	H	H	H	H	SO ₂ ^s C ₄ H ₉	H	H	H	H	H	H	
2386	None	SO ₂ ^v C ₄ H ₉	H	H	H	H	H	H	H	H	H	H	H	
2387	None	H	H	H	H	H	SO ₂ ^v C ₄ H ₉	H	H	H	SO ₂ ^v C ₄ H ₉	H	H	
2388	None	H	H	H	H	H	SO ₂ ^v C ₄ H ₉	H	H	H	H	H	H	
2389	None	SO ₂ ^v C ₄ H ₉	H	H	H	H	H	H	H	H	SO ₂ ^v C ₄ H ₉	H	H	
2390	None	SO ₂ ^v C ₄ H ₉	H	H	H	H	SO ₂ ^v C ₄ H ₉	H	H	H	H	H	H	
2391	None	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	H	H	H	H	H	H	H	
2392	None	H	H	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	H	H	
2393	None	H	H	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	H	
2394	None	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	H	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	H	

Table 21 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2395	None	SO ₂ CH ₂ CH=CH ₂	H	H	H	H	SO ₂ CH ₂ CH=CH ₂	H	H	H
2396	None	SO ₂ C ₆ H ₅	H	H	H	H	H	H	H	H
2397	None	H	H	H	H	H	SO ₂ C ₆ H ₅	H	H	H
2398	None	H	H	H	H	H	SO ₂ C ₆ H ₅	H	H	H
2399	None	SO ₂ C ₆ H ₆	H	H	H	H	SO ₂ C ₆ H ₆	H	H	H
2400	None	SO ₂ C ₆ H ₅	H	H	H	H	SO ₂ C ₆ H ₅	H	H	H
2401	None	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H
2402	None	H	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H
2403	None	H	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H
2404	None	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H
2405	None	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H	H	SO ₂ (p-CH ₃)C ₆ H ₄	H	H	H
2406	None	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H
2407	None	H	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H
2408	None	H	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H
2409	None	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H
2410	None	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H	H	SO ₂ (o-CH ₃)C ₆ H ₄	H	H	H
2411	None	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H
2412	None	H	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H
2413	None	H	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H
2414	None	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H

Table 2】(Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2415	None	SO ₂ CH ₂ C ₆ H ₅	H	H	H	SO ₂ CH ₂ C ₆ H ₅	H	H	H	H
2416	None	SO ₂ -cyclohexyl	H	H	H		H	H	H	H
2417	None		H	H	H	SO ₂ -cyclohexyl	H	SO ₂ -cyclohexyl	H	H
2418	None		H	H	H	SO ₂ -cyclohexyl	H	H	H	H
2419	None	SO ₂ -cyclohexyl	H	H	H		H	SO ₂ -cyclohexyl	H	H
2420	None	SO ₂ -cyclohexyl	H	H	H	SO ₂ -cyclohexyl	H	H	H	H
2421	SO ₂	COCH ₃	H	H	H		H	H	H	H
2422	SO ₂		H	H	H	COCH ₃	H	COCH ₃	H	H
2423	SO ₂		H	H	H	COCH ₃	H	H	H	H
2424	SO ₂	COCH ₃	H	H	H		H	COCH ₃	H	H
2425	SO ₂	COCH ₃	H	H	H	COCH ₃	H	H	H	H
2426	SO ₂	CO ₂ C ₆ H ₅	H	H	H		H	H	H	H
2427	SO ₂		H	H	H	CO ₂ C ₆ H ₅	H	CO ₂ C ₆ H ₅	H	H
2428	SO ₂		H	H	H	CO ₂ C ₆ H ₅	H	H	H	H
2429	SO ₂	CO ₂ C ₆ H ₅	H	H	H		H	CO ₂ C ₆ H ₅	H	H
2430	SO ₂	CO ₂ C ₆ H ₅	H	H	H	CO ₂ C ₆ H ₅	H	H	H	H
2431	SO ₂	CO ⁿ C ₆ H ₇	H	H	H		H	H	H	H
2432	SO ₂		H	H	H	CO ⁿ C ₆ H ₇	H	CO ⁿ C ₆ H ₇	H	H
2433	SO ₂		H	H	H	CO ⁿ C ₆ H ₇	H	H	H	H
2434	SO ₂	CO ⁿ C ₆ H ₇	H	H	H		H	CO ⁿ C ₆ H ₇	H	H

Table 2】 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇ ^a	R ₈	R ₉	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2435	S0 ₂	C0'C ₃ H ₇	H	H	H	H	H	C0''C ₃ H ₇	H	H	H	H	H	H
2436	S0 ₂	C0'C ₃ H ₇	H	H	H	H	H	C0'iC ₃ H ₇	H	H	H	H	H	H
2437	S0 ₂	H	H	H	H	H	H	C0'iC ₃ H ₇	H	H	C0'iC ₃ H ₇	H	H	H
2438	S0 ₂	H	H	H	H	H	H	C0'iC ₃ H ₇	H	H	H	H	H	H
2439	S0 ₂	C0'C ₃ H ₇	H	H	H	H	H	C0'iC ₃ H ₇	H	H	C0'iC ₃ H ₇	H	H	H
2440	S0 ₂	C0'C ₃ H ₇	H	H	H	H	H	C0'iC ₃ H ₇	H	H	H	H	H	H
2441	S0 ₂	C0'C ₄ H ₉	H	H	H	H	H	C0''C ₄ H ₉	H	H	H	H	H	H
2442	S0 ₂	H	H	H	H	H	H	C0''C ₄ H ₉	H	H	C0''C ₄ H ₉	H	H	H
2443	S0 ₂	H	H	H	H	H	H	C0''C ₄ H ₉	H	H	H	H	H	H
2444	S0 ₂	C0'C ₄ H ₉	H	H	H	H	H	C0'iC ₄ H ₉	H	H	C0'iC ₄ H ₉	H	H	H
2445	S0 ₂	C0'C ₄ H ₉	H	H	H	H	H	C0''C ₄ H ₉	H	H	H	H	H	H
2446	S0 ₂	C0'C ₄ H ₉	H	H	H	H	H	C0''C ₄ H ₉	H	H	H	H	H	H
2447	S0 ₂	H	H	H	H	H	H	C0'iC ₄ H ₉	H	H	C0'iC ₄ H ₉	H	H	H
2448	S0 ₂	H	H	H	H	H	H	C0'iC ₄ H ₉	H	H	C0'iC ₄ H ₉	H	H	H
2449	S0 ₂	C0'C ₄ H ₉	H	H	H	H	H	C0''C ₄ H ₉	H	H	C0''C ₄ H ₉	H	H	H
2450	S0 ₂	C0'C ₄ H ₉	H	H	H	H	H	C0'C ₄ H ₉	H	H	C0'C ₄ H ₉	H	H	H
2451	S0 ₂	C0'C ₄ H ₉	H	H	H	H	H	C0''C ₄ H ₉	H	H	C0''C ₄ H ₉	H	H	H
2452	S0 ₂	H	H	H	H	H	H	C0''C ₄ H ₉	H	H	C0''C ₄ H ₉	H	H	H
2453	S0 ₂	H	H	H	H	H	H	C0''C ₄ H ₉	H	H	C0''C ₄ H ₉	H	H	H
2454	S0 ₂	C0'C ₄ H ₉	H	H	H	H	H	C0''C ₄ H ₉	H	H	C0''C ₄ H ₉	H	H	H

Table 21 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2455	SO ₂	CO'C ₄ H ₉	H	H	H	CO'C ₄ H ₉	H	H	H
2456	SO ₂	CO'C ₄ H ₉	H	H	H	CO'C ₄ H ₉	H	H	H
2457	SO ₂	H	H	H	H	CO'C ₄ H ₉	H	H	H
2458	SO ₂	H	H	H	H	CO'C ₄ H ₉	H	H	H
2459	SO ₂	CO'C ₄ H ₉	H	H	H	CO'C ₄ H ₉	H	H	H
2460	SO ₂	CO'C ₄ H ₉	H	H	H	CO'C ₄ H ₉	H	H	H
2461	SO ₂	COCH ₂ CH=CH ₂	H	H	H	COCH ₂ CH=CH ₂	H	H	H
2462	SO ₂	H	H	H	H	COCH ₂ CH=CH ₂	H	H	H
2463	SO ₂	H	H	H	H	COCH ₂ CH=CH ₂	H	H	H
2464	SO ₂	COCH ₂ CH=CH ₂	H	H	H	COCH ₂ CH=CH ₂	H	H	H
2465	SO ₂	COCH ₂ CH=CH ₂	H	H	H	COCH ₂ CH=CH ₂	H	H	H
2466	SO ₂	CO'C ₆ H ₅	H	H	H	CO'C ₆ H ₅	H	H	H
2467	SO ₂	H	H	H	H	CO'C ₆ H ₅	H	H	H
2468	SO ₂	H	H	H	H	CO'C ₆ H ₅	H	H	H
2469	SO ₂	CO'C ₆ H ₅	H	H	H	CO'C ₆ H ₅	H	H	H
2470	SO ₂	CO'C ₆ H ₅	H	H	H	CO'C ₆ H ₅	H	H	H
2471	SO ₂	CO(p-CH ₃)C ₆ H ₄	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	CO(p-CH ₃)C ₆ H ₄	H
2472	SO ₂	H	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H
2473	SO ₂	H	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	CO(p-CH ₃)C ₆ H ₄	H
2474	SO ₂	CO(p-CH ₃)C ₆ H ₄	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	CO(p-CH ₃)C ₆ H ₄	H

Table 21 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₁₀	R ₁₁	R ₁₂	R ₃
2475	S ₀ ₂	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H
2476	S ₀ ₂	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	H		H	H	H
2477	S ₀ ₂	H	H	H	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H
2478	S ₀ ₂	H	H	H	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H
2479	S ₀ ₂	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	H		CO(o-CH ₃)C ₆ H ₄	H	H
2480	S ₀ ₂	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H
2481	S ₀ ₂	COCH ₂ C ₆ H ₅	H	H	H	H	H		H	H	H
2482	S ₀ ₂	H	H	H	H	H	H	COCH ₂ C ₆ H ₆	H	COCH ₂ C ₆ H ₅	H
2483	S ₀ ₂	H	H	H	H	H	H	COCH ₂ C ₆ H ₅	H	H	H
2484	S ₀ ₂	COCH ₂ C ₆ H ₅	H	H	H	H	H		COCH ₂ C ₆ H ₅	H	H
2485	S ₀ ₂	COCH ₂ C ₆ H ₅	H	H	H	H	H	COCH ₂ C ₆ H ₆	H	H	H
2486	S ₀ ₂	CO-cyclohexyl	H	H	H	H	H		CO-cyclohexyl	H	H
2487	S ₀ ₂	H	H	H	H	H	H	CO-cyclohexyl	H	H	H
2488	S ₀ ₂	H	H	H	H	H	H	CO-cyclohexyl	H	H	H
2489	S ₀ ₂	CO-cyclohexyl	H	H	H	H	H		CO-cyclohexyl	H	H
2490	S ₀ ₂	CO-cyclohexyl	H	H	H	H	H	CO-cyclohexyl	H	H	H
2491	S ₀	COCl ₃	H	H	H	H	H		H	H	H
2492	S ₀	H	H	H	H	H	H	COCl ₃	H	COCl ₃	H
2493	S ₀	H	H	H	H	H	H	COCl ₃	H	H	H
2494	S ₀	COCl ₃	H	H	H	H	H		COCl ₃	H	H

Table 2】(Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2495	S0	COCH ₃	H	H	H	COCH ₃	H	H	H	H	H	H
2496	S0	COCH ₅	H	H	H	H	H	H	H	H	H	H
2497	S0	H	H	H	H	COCH ₂ H ₅	H	H	H	H	H	H
2498	S0	H	H	H	H	COCH ₂ H ₅	H	H	H	H	H	H
2499	S0	COCH ₂ H ₅	H	H	H	H	H	H	COCH ₂ H ₅	H	H	H
2500	S0	COCH ₂ H ₅	H	H	H	COCH ₂ H ₅	H	H	H	H	H	H
2501	S0	CO ^r C ₃ H ₇	H	H	H	H	H	H	H	H	H	H
2502	S0	H	H	H	H	CO ^r C ₃ H ₇	H	H	CO ^r C ₃ H ₇	H	H	H
2503	S0	H	H	H	H	CO ^r C ₃ H ₇	H	H	H	H	H	H
2504	S0	CO ^r C ₃ H ₇	H	H	H	H	H	H	H	CO ^r C ₃ H ₇	H	H
2505	S0	CO ^r C ₃ H ₇	H	H	H	CO ^r C ₃ H ₇	H	H	H	H	H	H
2506	S0	CO ^r C ₃ H ₇	H	H	H	H	H	H	H	H	H	H
2507	S0	H	H	H	H	CO ^r C ₃ H ₇	H	H	H	CO ^r C ₃ H ₇	H	H
2508	S0	H	H	H	H	CO ^r C ₃ H ₇	H	H	H	H	H	H
2509	S0	CO ^r C ₃ H ₇	H	H	H	H	H	H	H	CO ^r C ₃ H ₇	H	H
2510	S0	CO ^r C ₃ H ₇	H	H	H	CO ^r C ₃ H ₇	H	H	H	CO ^r C ₃ H ₇	H	H
2511	S0	CO ^r C ₄ H ₉	H	H	H	H	H	H	H	H	H	H
2512	S0	H	H	H	H	CO ^r C ₄ H ₉	H	H	CO ^r C ₄ H ₉	H	H	H
2513	S0	H	H	H	H	CO ^r C ₄ H ₉	H	H	H	H	H	H
2514	S0	CO ^r C ₄ H ₉	H	H	H	H	H	H	CO ^r C ₄ H ₉	H	H	H

Table 21 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2515	SO	CO ^v C ₆ H ₅	H	H			CO ^v C ₄ H ₉	H	H	H	H	H	H	
2516	SO	CO ^v C ₆ H ₅	H	H				H			H	H	H	
2517	SO	H	H	H	H		CO ^v C ₄ H ₉	H			CO ^v C ₄ H ₉	H	H	
2518	SO	H	H	H	H		CO ^v iC ₄ H ₉	H			CO ^v C ₄ H ₉	H	H	
2519	SO	CO ^v C ₆ H ₅	H	H				H			CO ^v C ₄ H ₉	H	H	
2520	SO	CO ^v C ₆ H ₅	H	H			CO ^v C ₄ H ₉	H			H	H	H	
2521	SO	CO ^v C ₆ H ₅	H	H				H			H	H	H	
2522	SO	H	H	H	H		CO ^v C ₄ H ₉	H			CO ^v C ₄ H ₉	H	H	
2523	SO	H	H	H	H			CO ^v C ₄ H ₉	H		H	H	H	
2524	SO	CO ^v C ₆ H ₅	H	H				H			CO ^v C ₄ H ₉	H	H	
2525	SO	CO ^v C ₆ H ₅	H	H			CO ^v C ₄ H ₉	H			H	H	H	
2526	SO	CO ^v C ₆ H ₅	H	H				H			H	H	H	
2527	SO	H	H	H	H		CO ^v C ₄ H ₉	H			CO ^v C ₄ H ₉	H	H	
2528	SO	H	H	H	H			CO ^v C ₄ H ₉	H		H	H	H	
2529	SO	CO ^v C ₆ H ₅	H	H				H			CO ^v C ₄ H ₉	H	H	
2530	SO	CO ^v C ₆ H ₅	H	H							CO ^v C ₄ H ₉	H	H	
2531	SO	COCH ₂ CH=CH ₂	H	H							H	H	H	
2532	SO	H	H	H	H		COCH ₂ CH=CH ₂	H			COCH ₂ CH=CH ₂	H	H	
2533	SO	H	H	H	H		COCH ₂ CH=CH ₂	H			H	H	H	
2534	SO	COCH ₂ CH=CH ₂	H	H							COCH ₂ CH=CH ₂	H	H	

Table 2] (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉	R ₁₀	R ₁₁	R ₁₂	R ₁₃	
2535	S0	COC ₆ H ₅ CH=CH ₂	H	H	H	H	H	COCH ₂ CH=CH ₂	H	H	H	H	H	H	
2536	S0	COC ₆ H ₅	H	H	H	H	H		H	H	H	H	H	H	
2537	S0	H	H	H	H	H	H	COC ₆ H ₅	H	H	COC ₆ H ₅	H	H	H	
2538	S0	H	H	H	H	H	H	COC ₆ H ₅	H	H	H	H	H	H	
2539	S0	COC ₆ H ₅	H	H	H	H	H		H	H	COC ₆ H ₅	H	H	H	
2540	S0	COC ₆ H ₅	H	H	H	H	H	COC ₆ H ₅	H	H	H	H	H	H	
2541	S0	C0(p-Cl ₃)C ₆ H ₄	H	H	H	H	H		H	H	H	H	H	H	
2542	S0	H	H	H	H	H	H	C0(p-CH ₃)C ₆ H ₄	H	H	C0(p-CH ₃)C ₆ H ₄	H	H		
2543	S0	H	H	H	H	H	H	C0(p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	
2544	S0	C0(p-CH ₃)C ₆ H ₄	H	H	H	H	H		H	H	C0(p-CH ₃)C ₆ H ₄	H	H	H	
2545	S0	C0(p-CH ₃)C ₆ H ₄	H	H	H	H	H	C0(p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	
2546	S0	C0(o-CH ₃)C ₆ H ₄	H	H	H	H	H		H	H	C0(o-CH ₃)C ₆ H ₄	H	H	H	
2547	S0	H	H	H	H	H	H	C0(o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	
2548	S0	H	H	H	H	H	H	C0(o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	
2549	S0	C0(o-CH ₃)C ₆ H ₄	H	H	H	H	H		H	H	C0(o-CH ₃)C ₆ H ₄	H	H	H	
2550	S0	C0(o-CH ₃)C ₆ H ₄	H	H	H	H	H	C0(o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	
2551	S0	COCH ₂ C ₆ H ₅	H	H	H	H	H		H	H	H	H	H	H	H
2552	S0	H	H	H	H	H	H	COCH ₂ C ₆ H ₅	H	H	COCH ₂ C ₆ H ₅	H	H	H	
2553	S0	H	H	H	H	H	H	COCH ₂ C ₆ H ₅	H	H	COCH ₂ C ₆ H ₅	H	H	H	
2554	S0	COCH ₂ C ₆ H ₅	H	H	H	H	H		H	H	COCH ₂ C ₆ H ₅	H	H	H	

Table 2] (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2555	S0	COCH ₂ C ₆ H ₅	H	H	COCH ₂ C ₆ H ₅	H	H	H	H
2556	S0	CO-cyclohexyl	H	H	H	CO-cyclohexyl	H	H	H
2557	S0	H	H	H	H	CO-cyclohexyl	H	H	H
2558	S0	H	H	H	H	CO-cyclohexyl	H	H	H
2559	S0	CO-cyclohexyl	H	H	H	H	CO-cyclohexyl	H	H
2560	S0	CO-cyclohexyl	H	H	H	CO-cyclohexyl	H	H	H
2561	S	OCH ₃	H	H	H	COOCH ₃	H	COCH ₃	H
2562	S	H	H	H	H	COOCH ₃	H	H	H
2563	S	H	H	H	H	COOCH ₃	H	H	H
2564	S	COCH ₃	H	H	H	H	H	COCH ₃	H
2565	S	COCH ₃	H	H	H	COOCH ₃	H	H	H
2566	S	OOC ₂ H ₅	H	H	H	H	H	H	H
2567	S	H	H	H	H	COO ₂ H ₅	H	COO ₂ H ₅	H
2568	S	H	H	H	H	COO ₂ H ₅	H	H	H
2569	S	OOC ₂ H ₅	H	H	H	H	H	COO ₂ H ₅	H
2570	S	OOC ₂ H ₅	H	H	H	COO ₂ H ₅	H	H	H
2571	S	CO ⁿ C ₃ H ₇	H	H	H	H	H	CO ⁿ C ₃ H ₇	H
2572	S	H	H	H	H	CO ⁿ C ₃ H ₇	H	H	H
2573	S	H	H	H	H	CO ⁿ C ₃ H ₇	H	H	CO ⁿ C ₃ H ₇
2574	S	CO ⁿ C ₃ H ₇	H	H	H	H	H	CO ⁿ C ₃ H ₇	H

[Table 2] (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2575	S	CO ^o C ₃ H ₇	H	H	H	CO ^o C ₃ H ₇	H	H	H
2576	S	CO ⁱ C ₃ H ₇	H	H	H	CO ⁱ C ₃ H ₇	H	H	H
2577	S	H	H	H	H	CO ⁱ C ₃ H ₇	H	H	H
2578	S	H	H	H	H	CO ^o C ₃ H ₇	H	H	H
2579	S	CO ⁱ C ₃ H ₇	H	H	H	CO ⁱ C ₃ H ₇	H	H	H
2580	S	CO ⁱ C ₃ H ₇	H	H	H	CO ^o C ₃ H ₇	H	H	H
2581	S	CO ^o C ₄ H ₉	H	H	H	CO ^o C ₄ H ₉	H	H	H
2582	S	H	H	H	H	CO ^o C ₄ H ₉	H	H	H
2583	S	H	H	H	H	CO ^o C ₄ H ₉	H	H	H
2584	S	CO ^o C ₄ H ₉	H	H	H	CO ^o C ₄ H ₉	H	H	H
2585	S	CO ^o C ₄ H ₉	H	H	H	CO ^o C ₄ H ₉	H	H	H
2586	S	CO ⁱ C ₄ H ₉	H	H	H	CO ⁱ C ₄ H ₉	H	H	H
2587	S	H	H	H	H	CO ⁱ C ₄ H ₉	H	H	H
2588	S	H	H	H	H	CO ⁱ C ₄ H ₉	H	H	H
2589	S	CO ^o C ₄ H ₉	H	H	H	CO ^o C ₄ H ₉	H	H	H
2590	S	CO ^o C ₄ H ₉	H	H	H	CO ⁱ C ₄ H ₉	H	H	H
2591	S	CO ⁱ C ₄ H ₉	H	H	H	CO ^o C ₄ H ₉	H	H	H
2592	S	H	H	H	H	CO ^o C ₄ H ₉	H	H	H
2593	S	H	H	H	H	CO ^o C ₄ H ₉	H	H	H
2594	S	CO ^o C ₄ H ₉	H	H	H	CO ^o C ₄ H ₉	H	H	H

Table 2】 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2595	S	CO ³ C ₄ H ₉	H	H	H	CO ³ C ₄ H ₉	H	H	H
2596	S	CO ³ C ₄ H ₉	H	H	H	CO ³ C ₄ H ₉	H	H	H
2597	S	H	H	H	H	CO ³ C ₄ H ₉	H	H	H
2598	S	H	H	H	H	CO ³ C ₄ H ₉	H	H	H
2599	S	CO ³ C ₄ H ₉	H	H	H	CO ³ C ₄ H ₉	H	H	H
2600	S	CO ³ C ₄ H ₉	H	H	H	CO ³ C ₄ H ₉	H	H	H
2601	S	COCH ₂ CH=CH ₂	H	H	H	COCH ₂ CH=CH ₂	H	H	H
2602	S	H	H	H	H	COCH ₂ CH=CH ₂	H	H	H
2603	S	H	H	H	H	COCH ₂ CH=CH ₂	H	H	H
2604	S	COCH ₂ CH=CH ₂	H	H	H	COCH ₂ CH=CH ₂	H	H	H
2605	S	COCH ₂ CH=CH ₂	H	H	H	COCH ₂ CH=CH ₂	H	H	H
2606	S	COC ₆ H ₅	H	H	H	COC ₆ H ₅	H	H	H
2607	S	H	H	H	H	COC ₆ H ₅	H	H	H
2608	S	H	H	H	H	COC ₆ H ₅	H	H	H
2609	S	COC ₆ H ₅	H	H	H	COC ₆ H ₅	H	H	H
2610	S	COC ₆ H ₅	H	H	H	COC ₆ H ₅	H	H	H
2611	S	CO(p-CH ₃)C ₆ H ₄	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H
2612	S	H	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H
2613	S	H	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H
2614	S	CO(p-CH ₃)C ₆ H ₄	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H

Table 2] (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2615	S	CO(p-CH ₃)C ₆ H ₄	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H
2616	S	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H
2617	S	H	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H
2618	S	H	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H
2619	S	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H
2620	S	CO(o-CH ₃)C ₆ H ₄	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H
2621	S	COCH ₂ C ₆ H ₅	H	H	H	COCH ₂ C ₆ H ₅	H	COCH ₂ C ₆ H ₅	H
2622	S	H	H	H	H	COCH ₂ C ₆ H ₅	H	COCH ₂ C ₆ H ₅	H
2623	S	H	H	H	H	COCH ₂ C ₆ H ₅	H	COCH ₂ C ₆ H ₅	H
2624	S	COCH ₂ C ₆ H ₅	H	H	H	COCH ₂ C ₆ H ₅	H	COCH ₂ C ₆ H ₅	H
2625	S	COCH ₂ C ₆ H ₅	H	H	H	COCH ₂ C ₆ H ₅	H	COCH ₂ C ₆ H ₅	H
2626	S	CO-cyclohexyl	H	H	H	CO-cyclohexyl	H	CO-cyclohexyl	H
2627	S	H	H	H	H	CO-cyclohexyl	H	CO-cyclohexyl	H
2628	S	H	H	H	H	CO-cyclohexyl	H	CO-cyclohexyl	H
2629	S	CO-cyclohexyl	H	H	H	H	CO-cyclohexyl	H	H
2630	S	COCH ₃	H	H	H	CO-cyclohexyl	H	COCH ₃	H
2631	O	H	H	H	H	COCH ₃	H	COCH ₃	H
2632	O	H	H	H	H	COCH ₃	H	COCH ₃	H
2633	O	COCH ₃	H	H	H	H	COCH ₃	COCH ₃	H
2634	O	COCH ₃	H	H	H	H	COCH ₃	COCH ₃	H

Table 2] (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2635	0	COCH ₃	H	H	H	COCH ₃	H	H	H
2636	0	COCH ₂ H ₅	H	H	H	H	H	H	H
2637	0	H	H	H	H	COCH ₂ H ₅	H	H	COCH ₂ H ₅
2638	0	H	H	H	H	COCH ₂ H ₅	H	H	H
2639	0	COCH ₂ H ₅	H	H	H	H	H	H	COCH ₂ H ₅
2640	0	COCH ₂ H ₅	H	H	H	COCH ₂ H ₅	H	H	H
2641	0	CO ⁱ C ₃ H ₇	H	H	H	CO ^p C ₃ H ₇	H	CO ⁱ C ₃ H ₇	H
2642	0	H	H	H	H	CO ^p C ₃ H ₇	H	H	H
2643	0	H	H	H	H	CO ^p C ₃ H ₇	H	H	H
2644	0	CO ⁱ C ₃ H ₇	H	H	H	H	H	H	CO ⁱ C ₃ H ₇
2645	0	CO ⁱ C ₃ H ₇	H	H	H	CO ^p C ₃ H ₇	H	H	H
2646	0	CO ⁱ C ₃ H ₇	H	H	H	CO ⁱ C ₃ H ₇	H	H	H
2647	0	H	H	H	H	CO ⁱ C ₃ H ₇	H	H	H
2648	0	H	H	H	H	CO ⁱ C ₃ H ₇	H	H	H
2649	0	CO ⁱ C ₃ H ₇	H	H	H	H	H	H	CO ⁱ C ₃ H ₇
2650	0	CO ⁱ C ₃ H ₇	H	H	H	CO ⁱ C ₃ H ₇	H	H	H
2651	0	CO ⁱ C ₄ H ₉	H	H	H	H	H	H	CO ⁱ C ₄ H ₉
2652	0	H	H	H	H	CO ⁱ C ₄ H ₉	H	H	H
2653	0	H	H	H	H	CO ⁱ C ₄ H ₉	H	H	CO ⁱ C ₄ H ₉
2654	0	CO ⁱ C ₄ H ₉	H	H	H	H	H	H	CO ⁱ C ₄ H ₉

Table 21 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R _{1,0}	R ₁₁	R _{1,2}	R _{1,3}
2655	0	CO'C ₄ H ₉	H	H	H	CO'C ₄ H ₉	H	H	H
2656	0	CO'C ₄ H ₉	H	H	H	H	H	H	H
2657	0	H	H	H	H	CO'C ₄ H ₉	H	H	H
2658	0	H	H	H	H	CO'C ₄ H ₉	H	H	H
2659	0	CO'C ₄ H ₉	H	H	H	H	CO'C ₄ H ₉	H	H
2660	0	CO'C ₄ H ₉	H	H	H	CO'C ₄ H ₉	H	H	H
2661	0	CO'C ₄ H ₉	H	H	H	H	H	H	H
2662	0	H	H	H	H	CO'C ₄ H ₉	H	CO'C ₄ H ₉	H
2663	0	H	H	H	H	CO'C ₄ H ₉	H	H	H
2664	0	CO'C ₄ H ₉	H	H	H	H	CO'C ₄ H ₉	H	H
2665	0	CO'C ₄ H ₉	H	H	H	CO'C ₄ H ₉	H	H	H
2666	0	CO'C ₄ H ₉	H	H	H	H	H	H	H
2667	0	H	H	H	H	CO'C ₄ H ₉	H	CO'C ₄ H ₉	H
2668	0	H	H	H	H	CO'C ₄ H ₉	H	H	H
2669	0	CO'C ₄ H ₉	H	H	H	H	H	CO'C ₄ H ₉	H
2670	0	CO'C ₄ H ₉	H	H	H	CO'C ₄ H ₉	H	H	H
2671	0	COCH ₂ CH=CH ₂	H	H	H	H	H	H	H
2672	0	H	H	H	H	COCH ₂ CH=CH ₂	H	COCH ₂ CH=CH ₂	H
2673	0	H	H	H	H	COOHCH=CH ₂	H	H	H
2674	0	COCH ₂ CH=CH ₂	H	H	H	H	COCH ₂ CH=CH ₂	H	H

Table 2] (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2675	0	COCH ₂ CH=CH ₂	H	H	H	H	COCH ₂ CH=CH ₂	H	H	H	H
2676	0	COC ₆ H ₅	H	H	H	H	H	H	H	H	H
2677	0	H	H	H	H	H	COC ₆ H ₅	H	H	H	H
2678	0	H	H	H	H	H	COC ₆ H ₅	H	H	H	H
2679	0	COC ₆ H ₅	H	H	H	H	H	H	H	H	H
2680	0	COC ₆ H ₅	H	H	H	H	COC ₆ H ₅	H	H	H	H
2681	0	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	CO(p-CH ₃)C ₆ H ₄	H	H
2682	0	H	H	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H	H
2683	0	H	H	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H	H
2684	0	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H	H
2685	0	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H	H
2686	0	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	CO(o-CH ₃)C ₆ H ₄	H	H
2687	0	H	H	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H	H
2688	0	H	H	H	H	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H
2689	0	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	CO(o-CH ₃)C ₆ H ₄	H	H
2690	0	COCH ₂ C ₆ H ₅	H	H	H	H	H	H	H	H	H
2691	0	H	H	H	H	H	COCH ₂ C ₆ H ₅	H	COCH ₂ C ₆ H ₅	H	H
2692	0	H	H	H	H	H	COCH ₂ C ₆ H ₅	H	H	H	H
2693	0	H	H	H	H	H	H	H	COCH ₂ C ₆ H ₅	H	H
2694	0	COCH ₂ C ₆ H ₅	H	H	H	H	H	H	COCH ₂ C ₆ H ₅	H	H

Table 21 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2695	0	COCH ₂ C ₆ H ₅	H	H	H	H	COCH ₂ C ₆ H ₅	H	H	H	H
2696	0	CO-cyclohexyl	H	H	H	H	CO-cyclohexyl	H	H	H	H
2697	0	H	H	H	H	H	CO-cyclohexyl	H	H	H	H
2698	0	H	H	H	H	H	CO-cyclohexyl	H	H	H	H
2699	0	CO-cyclohexyl	H	H	H	H	CO-cyclohexyl	H	H	H	H
2700	0	CO-cyclohexyl	H	H	H	H	CO-cyclohexyl	H	H	H	H
2701	CO	COCH ₃	H	H	H	H	COCH ₃	H	H	H	H
2702	CO	H	H	H	H	H	COCH ₃	H	COCH ₃	H	H
2703	CO	H	H	H	H	H	COCH ₃	H	H	H	H
2704	CO	COCH ₃	H	H	H	H	COCH ₃	H	COCH ₃	H	H
2705	CO	COCH ₃	H	H	H	H	COCH ₃	H	H	H	H
2706	CO	COC ₂ H ₅	H	H	H	H	COCH ₃	H	H	H	H
2707	CO	H	H	H	H	H	COC ₂ H ₅	H	COCH ₃	H	H
2708	CO	H	H	H	H	H	COC ₂ H ₅	H	H	H	H
2709	CO	COC ₂ H ₅	H	H	H	H	COCH ₃	H	COC ₂ H ₅	H	H
2710	CO	COC ₂ H ₅	H	H	H	H	COC ₂ H ₅	H	H	H	H
2711	CO	CO ^t C ₃ H ₇	H	H	H	H	CO ^t C ₃ H ₇	H	H	H	H
2712	CO	H	H	H	H	H	CO ^t C ₃ H ₇	H	CO ^t C ₃ H ₇	H	H
2713	CO	H	H	H	H	H	CO ^t C ₃ H ₇	H	H	H	H
2714	CO	CO ^t C ₃ H ₇	H	H	H	H	CO ^t C ₃ H ₇	H	CO ^t C ₃ H ₇	H	H

Table 2] (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2715	CO	CO ^r C ₃ H ₇	H	H	H	H	H	CO ^r C ₃ H ₇	H	H	H	H	H	H
2716	CO	CO ^r C ₃ H ₇	H	H	H	H	H	CO ^r C ₃ H ₇	H	H	H	H	H	H
2717	CO	H	H	H	H	H	H	CO ^r C ₃ H ₇	H	H	CO ^r C ₃ H ₇	H	H	H
2718	CO	H	H	H	H	H	H	CO ^r C ₃ H ₇	H	H	CO ^r C ₃ H ₇	H	H	H
2719	CO	CO ^r C ₃ H ₇	H	H	H	H	H	H	H	H	H	H	H	H
2720	CO	CO ^r C ₃ H ₇	H	H	H	H	H	CO ^r C ₃ H ₇	H	H	H	H	H	H
2721	CO	CO ^r C ₃ H ₉	H	H	H	H	H	CO ^r C ₄ H ₉	H	H	CO ^r C ₄ H ₉	H	H	H
2722	CO	H	H	H	H	H	H	CO ^r C ₄ H ₉	H	H	CO ^r C ₄ H ₉	H	H	H
2723	CO	H	H	H	H	H	H	H	H	H	CO ^r C ₄ H ₉	H	H	H
2724	CO	CO ^r C ₄ H ₉	H	H	H	H	H	CO ^r C ₄ H ₉	H	H	CO ^r C ₄ H ₉	H	H	H
2725	CO	CO ^r C ₄ H ₉	H	H	H	H	H	CO ^r C ₄ H ₉	H	H	CO ^r C ₄ H ₉	H	H	H
2726	CO	CO ^r C ₄ H ₉	H	H	H	H	H	H	H	H	CO ^r C ₄ H ₉	H	H	H
2727	CO	H	H	H	H	H	H	CO ^r C ₄ H ₉	H	H	CO ^r C ₄ H ₉	H	H	H
2728	CO	H	H	H	H	H	H	H	H	H	CO ^r C ₄ H ₉	H	H	H
2729	CO	CO ^r C ₄ H ₉	H	H	H	H	H	H	H	H	CO ^r C ₄ H ₉	H	H	H
2730	CO	CO ^r C ₄ H ₉	H	H	H	H	H	CO ^r C ₄ H ₉	H	H	H	H	H	H
2731	CO	CO ^r C ₄ H ₉	H	H	H	H	H	CO ^r C ₄ H ₉	H	H	CO ^r C ₄ H ₉	H	H	H
2732	CO	H	H	H	H	H	H	CO ^r C ₄ H ₉	H	H	CO ^r C ₄ H ₉	H	H	H
2733	CO	H	H	H	H	H	H	CO ^r C ₄ H ₉	H	H	CO ^r C ₄ H ₉	H	H	H
2734	CO	CO ^s C ₄ H ₉	H	H	H	H	H	H	H	H	CO ^s C ₄ H ₉	H	H	H

[Table 2] (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2735	CO	CO'C ₆ H ₅	H	H	H	H	H	CO'C ₆ H ₅	H	H	H
2736	CO	CO'C ₆ H ₅	H	H	H	H	H	CO'C ₆ H ₅	H	H	H
2737	CO	H	H	H	H	H	H	CO'C ₆ H ₅	H	H	H
2738	CO	H	H	H	H	H	H	CO'C ₆ H ₅	H	H	H
2739	CO	CO'C ₆ H ₅	H	H	H	H	H	CO'C ₆ H ₅	H	H	H
2740	CO	CO'C ₆ H ₅	H	H	H	H	H	CO'C ₆ H ₅	H	H	H
2741	CO	COCH ₂ CH=CH ₂	H	H	H	H	H	COCH ₂ CH=CH ₂	H	H	H
2742	CO	H	H	H	H	H	H	COCH ₂ CH=CH ₂	H	H	H
2743	CO	H	H	H	H	H	H	COCH ₂ CH=CH ₂	H	H	H
2744	CO	COCH ₂ CH=CH ₂	H	H	H	H	H	COCH ₂ CH=CH ₂	H	H	H
2745	CO	COCH ₂ CH=CH ₂	H	H	H	H	H	COCH ₂ CH=CH ₂	H	H	H
2746	CO	COC ₆ H ₅	H	H	H	H	H	COC ₆ H ₅	H	H	H
2747	CO	H	H	H	H	H	H	COC ₆ H ₅	H	H	H
2748	CO	H	H	H	H	H	H	COC ₆ H ₅	H	H	H
2749	CO	COC ₆ H ₅	H	H	H	H	H	COC ₆ H ₅	H	H	H
2750	CO	COC ₆ H ₅	H	H	H	H	H	COC ₆ H ₅	H	H	H
2751	CO	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H
2752	CO	H	H	H	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H
2753	CO	H	H	H	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H
2754	CO	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H

Table 21 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2755	CO	CO(p-CH ₃)C ₆ H ₄	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H	H
2756	CO	CO(o-CH ₃)C ₆ H ₄	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H	H
2757	CO	H	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	H	H
2758	CO	H	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H	H
2759	CO	CO(o-CH ₃)C ₆ H ₄	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H	H
2760	CO	CO(o-CH ₃)C ₆ H ₄	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H	H
2761	CO	COCH ₂ C ₆ H ₅	H	H	H	COCH ₂ C ₆ H ₅	H	H	H	H	H	H	H	H
2762	CO	H	H	H	H	COCH ₂ C ₆ H ₅	H	H	H	H	H	H	H	H
2763	CO	H	H	H	H	COCH ₂ C ₆ H ₅	H	H	H	H	H	H	H	H
2764	CO	COCH ₂ C ₆ H ₅	H	H	H	COCH ₂ C ₆ H ₅	H	H	H	H	H	H	H	H
2765	CO	COCH ₂ C ₆ H ₅	H	H	H	COCH ₂ C ₆ H ₅	H	H	H	H	H	H	H	H
2766	CO	CO-cyclohexyl	H	H	H	CO-cyclohexyl	H	H	H	H	H	H	H	H
2767	CO	H	H	H	H	CO-cyclohexyl	H	H	H	H	H	H	H	H
2768	CO	H	H	H	H	CO-cyclohexyl	H	H	H	H	H	H	H	H
2769	CO	CO-cyclohexyl	H	H	H	CO-cyclohexyl	H	H	H	H	H	H	H	H
2770	CO	CO-cyclohexyl	H	H	H	CO-cyclohexyl	H	H	H	H	H	H	H	H
2771	CH ₂	COCH ₃	H	H	H	COCH ₃	H	H	H	H	H	H	H	H
2772	CH ₂	H	H	H	H	COCH ₃	H	H	H	H	H	H	H	H
2773	CH ₂	H	H	H	H	COCH ₃	H	H	H	H	H	H	H	H
2774	CH ₂	COCH ₃	H	H	H	COCH ₃	H	H	H	H	H	H	H	H

Table 21 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2775	CH ₂	COOCH ₃	H	H	H	COCH ₃	H	H	H
2776	CH ₂	COOC ₂ H ₅	H	H	H	H	H	H	H
2777	CH ₂	H	H	H	H	COOC ₂ H ₅	H	H	COOC ₂ H ₅
2778	CH ₂	H	H	H	H	COOC ₂ H ₅	H	H	H
2779	CH ₂	COOC ₂ H ₅	H	H	H	H	H	COOC ₂ H ₅	H
2780	CH ₂	COOC ₂ H ₅	H	H	H	COOC ₂ H ₅	H	H	H
2781	CH ₂	CO ^v C ₃ H ₇	H	H	H	H	H	H	H
2782	CH ₂	H	H	H	H	CO ^v C ₃ H ₇	H	CO ^v C ₃ H ₇	H
2783	CH ₂	H	H	H	H	CO ^v C ₃ H ₇	H	H	H
2784	CH ₂	CO ^v C ₃ H ₇	H	H	H	H	H	CO ^v C ₃ H ₇	H
2785	CH ₂	CO ^v C ₃ H ₇	H	H	H	CO ^v C ₃ H ₇	H	H	H
2786	CH ₂	CO ^v C ₃ H ₇	H	H	H	H	H	H	H
2787	CH ₂	H	H	H	H	CO ^v C ₃ H ₇	H	CO ^v C ₃ H ₇	H
2788	CH ₂	H	H	H	H	CO ^v C ₃ H ₇	H	H	H
2789	CH ₂	CO ^v C ₃ H ₇	H	H	H	H	H	CO ^v C ₃ H ₇	H
2790	CH ₂	CO ^v C ₃ H ₇	H	H	H	CO ⁱ C ₃ H ₇	H	H	H
2791	CH ₂	CO ^v C ₄ H ₉	H	H	H	H	H	H	H
2792	CH ₂	H	H	H	H	CO ^v C ₄ H ₉	H	CO ^v C ₄ H ₉	H
2793	CH ₂	H	H	H	H	CO ^v C ₄ H ₉	H	H	H
2794	CH ₂	CO ^v C ₄ H ₉	H	H	H	H	H	CO ^v C ₄ H ₉	H

Table 21 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2795	CH ₂	CO ^v C ₄ H ₉	H	H	H	CO ^s C ₄ H ₉	H	H	H
2796	CH ₂	CO ⁱ C ₄ H ₉	H	H	H	CO ^v C ₄ H ₉	H	H	H
2797	CH ₂	H	H	H	H	CO ^v C ₄ H ₉	H	CO ^v C ₄ H ₉	H
2798	CH ₂	H	H	H	H	CO ^s C ₄ H ₉	H	H	H
2799	CH ₂	CO ⁱ C ₄ H ₉	H	H	H	CO ^v C ₄ H ₉	H	CO ^v C ₄ H ₉	H
2800	CH ₂	CO ⁱ C ₄ H ₉	H	H	H	CO ^v C ₄ H ₉	H	H	H
2801	CH ₂	CO ^s C ₄ H ₉	H	H	H	CO ^s C ₄ H ₉	H	H	H
2802	CH ₂	H	H	H	H	CO ^s C ₄ H ₉	H	CO ^v C ₄ H ₉	H
2803	CH ₂	H	H	H	H	CO ^v C ₄ H ₉	H	H	H
2804	CH ₂	CO ^s C ₄ H ₉	H	H	H	CO ^s C ₄ H ₉	H	CO ^v C ₄ H ₉	H
2805	CH ₂	CO ^v C ₄ H ₉	H	H	H	CO ^s C ₄ H ₉	H	H	H
2806	CH ₂	CO ^v C ₄ H ₉	H	H	H	CO ^v C ₄ H ₉	H	H	H
2807	CH ₂	H	H	H	H	CO ^v C ₄ H ₉	H	CO ^v C ₄ H ₉	H
2808	CH ₂	H	H	H	H	CO ^v C ₄ H ₉	H	H	H
2809	CH ₂	CO ⁱ C ₄ H ₉	H	H	H	CO ^v C ₄ H ₉	H	CO ^v C ₄ H ₉	H
2810	CH ₂	CO ⁱ C ₄ H ₉	H	H	H	CO ^v C ₄ H ₉	H	H	H
2811	CH ₂	COCH ₂ CH=CH ₂	H	H	H	COCH ₂ CH=CH ₂	H	COCH ₂ CH=CH ₂	H
2812	CH ₂	H	H	H	H	COCH ₂ CH=CH ₂	H	H	H
2813	CH ₂	H	H	H	H	COCH ₂ CH=CH ₂	H	H	H
2814	CH ₂	COCH ₂ CH=CH ₂	H	H	H	COCH ₂ CH=CH ₂	H	COCH ₂ CH=CH ₂	H

Table 21 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2815	CH ₂	COCH ₂ CH=CH ₂	H	H	H	COCH ₂ CH=CH ₂	H	H	H
2816	CH ₂	COOC ₆ H ₅	H	H	H	H	H	H	H
2817	CH ₂	H	H	H	H	COOC ₆ H ₅	H	H	H
2818	CH ₂	H	H	H	H	COOC ₆ H ₅	H	H	H
2819	CH ₂	COOC ₆ H ₅	H	H	H	H	COOC ₆ H ₅	H	H
2820	CH ₂	COOC ₆ H ₅	H	H	H	COOC ₆ H ₅	H	H	H
2821	CH ₂	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H
2822	CH ₂	H	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	CO(p-CH ₃)C ₆ H ₄	H
2823	CH ₂	H	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H
2824	CH ₂	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H
2825	CH ₂	CO(p-CH ₃)C ₆ H ₄	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H
2826	CH ₂	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H
2827	CH ₂	H	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	CO(o-CH ₃)C ₆ H ₄	H
2828	CH ₂	H	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H
2829	CH ₂	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H
2830	CH ₂	CO(o-CH ₃)C ₆ H ₄	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H
2831	CH ₂	COCH ₂ C ₆ H ₅	H	H	H	H	H	H	H
2832	CH ₂	H	H	H	H	COCH ₂ C ₆ H ₅	H	COCH ₂ C ₆ H ₅	H
2833	CH ₂	H	H	H	H	COCH ₂ C ₆ H ₅	H	H	H
2834	CH ₂	COCH ₂ C ₆ H ₅	H	H	H	H	COCH ₂ C ₆ H ₅	H	H

Table 21 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₆	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2835	CH ₂	COCH ₂ C ₆ H ₅	H	H	H	COCH ₂ C ₆ H ₅	H	H	H	H
2836	CH2	CO-cyclohexyl	H	H	H	H	H	H	H	H
2837	CH2	H	H	H	H	CO-cyclohexyl	H	CO-cyclohexyl	H	H
2838	CH2	H	H	H	H	CO-cyclohexyl	H	H	H	H
2839	CH2	CO-cyclohexyl	H	H	H	H	H	CO-cyclohexyl	H	H
2840	CH2	CO-cyclohexyl	H	H	H	CO-cyclohexyl	H	H	H	H
2841	CH ₃ CCH ₃	COCH ₃	H	H	H	COCH ₃	H	H	H	H
2842	CH ₃ CCH ₃	H	H	H	H	COCH ₃	H	COCH ₃	H	H
2843	CH ₃ CCH ₃	H	H	H	H	COCH ₃	H	H	H	H
2844	CH ₃ CCH ₃	COCH ₃	H	H	H	H	H	COCH ₃	H	H
2845	CH ₃ CCH ₃	COCH ₃	H	H	H	COCH ₃	H	H	H	H
2846	CH ₃ CCH ₃	COC ₂ H ₅	H	H	H	H	H	H	H	H
2847	CH ₃ CCH ₃	H	H	H	H	COC ₂ H ₅	H	COC ₂ H ₅	H	H
2848	CH ₃ CCH ₃	H	H	H	H	COC ₂ H ₅	H	H	H	H
2849	CH ₃ CCH ₃	COC ₂ H ₅	H	H	H	H	H	COC ₂ H ₅	H	H
2850	CH ₃ CCH ₃	COC ₂ H ₅	H	H	H	COC ₂ H ₅	H	H	H	H
2851	CH ₃ CCH ₃	CO ⁰ C ₃ H ₇	H	H	H	H	H	H	H	H
2852	CH ₃ CCH ₃	H	H	H	H	CO ⁰ C ₃ H ₇	H	CO ⁰ C ₃ H ₇	H	H
2853	CH ₃ CCH ₃	CO ⁰ C ₃ H ₇	H	H	H	CO ⁰ C ₃ H ₇	H	H	CO ⁰ C ₃ H ₇	H
2854	CH ₃ CCH ₃	CO ⁰ C ₃ H ₇	H	H	H	H	H	CO ⁰ C ₃ H ₇	H	H

Table 21 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2855	CH ₃ CCH ₃	CO ^v C ₆ H ₇	H	H	H	CO ^v C ₃ H ₇	H	H	H
2856	CH ₃ CCH ₃	CO ⁱ C ₆ H ₇	H	H	H	CO ^v C ₃ H ₇	H	H	H
2857	CH ₃ CCH ₃	H	H	H	H	CO ^v C ₃ H ₇	H	CO ⁱ C ₃ H ₇	H
2858	CH ₃ CCH ₃	H	H	H	H	CO ⁱ C ₆ H ₇	H	H	H
2859	CH ₃ CCH ₃	CO ⁱ C ₆ H ₇	H	H	H	H	CO ⁱ C ₆ H ₇	H	H
2860	CH ₃ CCH ₃	CO ⁱ C ₆ H ₇	H	H	H	CO ^v C ₃ H ₇	H	H	H
2861	CH ₃ CCH ₃	CO ^v C ₆ H ₉	H	H	H	H	H	H	H
2862	CH ₃ CCH ₃	H	H	H	H	CO ^v C ₄ H ₉	H	CO ^v C ₄ H ₉	H
2863	CH ₃ CCH ₃	H	H	H	H	CO ^v C ₄ H ₉	H	H	H
2864	CH ₃ CCH ₃	CO ^v C ₆ H ₉	H	H	H	H	CO ^v C ₄ H ₉	H	H
2865	CH ₃ CCH ₃	CO ^v C ₆ H ₉	H	H	H	CO ^v C ₄ H ₉	H	H	H
2866	CH ₃ CCH ₃	CO ⁱ C ₆ H ₉	H	H	H	H	CO ^v C ₄ H ₉	H	H
2867	CH ₃ CCH ₃	H	H	H	H	CO ⁱ C ₆ H ₉	H	CO ^v C ₄ H ₉	H
2868	CH ₃ CCH ₃	H	H	H	H	CO ⁱ C ₆ H ₉	H	H	H
2869	CH ₃ CCH ₃	CO ⁱ C ₆ H ₉	H	H	H	H	CO ⁱ C ₆ H ₉	H	H
2870	CH ₃ CCH ₃	CO ⁱ C ₆ H ₉	H	H	H	CO ⁱ C ₆ H ₉	H	H	H
2871	CH ₃ CCH ₃	CO ^v C ₆ H ₉	H	H	H	H	H	H	H
2872	CH ₃ CCH ₃	H	H	H	H	CO ^v C ₆ H ₉	H	CO ^v C ₆ H ₉	H
2873	CH ₃ CCH ₃	H	H	H	H	CO ^v C ₆ H ₉	H	H	H
2874	CH ₃ OCH ₃	CO ^v C ₆ H ₉	H	H	H	H	CO ^v C ₆ H ₉	H	H

Table 21 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2875	CH ₃ OCH ₃	CO ^t C ₄ H ₉	H	H	H	CO ^t C ₄ H ₉	H	H	H
2876	CH ₃ OCH ₃	CO ^t C ₄ H ₉	H	H	H	CO ^t C ₄ H ₉	H	H	H
2877	CH ₃ OCH ₃	H	H	H	H	CO ^t C ₄ H ₉	H	CO ^t C ₄ H ₉	H
2878	CH ₃ OCH ₃	H	H	H	H	CO ^t C ₄ H ₉	H	H	H
2879	CH ₃ OCH ₃	CO ^t C ₄ H ₉	H	H	H	CO ^t C ₄ H ₉	H	CO ^t C ₄ H ₉	H
2880	CH ₃ OCH ₃	CO ^t C ₄ H ₉	H	H	H	CO ^t C ₄ H ₉	H	H	H
2881	CH ₃ OCH ₃	COCH ₂ CH=CH ₂	H	H	H	H	H	H	H
2882	CH ₃ OCH ₃	H	H	H	H	COCH ₂ CH=CH ₂	H	COCH ₂ CH=CH ₂	H
2883	CH ₃ OCH ₃	H	H	H	H	COCH ₂ CH=CH ₂	H	H	H
2884	CH ₃ OCH ₃	COCH ₂ CH=CH ₂	H	H	H	H	COCH ₂ CH=CH ₂	H	H
2885	CH ₃ OCH ₃	COCH ₂ CH=CH ₂	H	H	H	COCH ₂ CH=CH ₂	H	H	H
2886	CH ₃ OCH ₃	CO ^t C ₆ H ₅	H	H	H	CO ^t C ₆ H ₅	H	CO ^t C ₆ H ₅	H
2887	CH ₃ OCH ₃	H	H	H	H	CO ^t C ₆ H ₅	H	H	H
2888	CH ₃ OCH ₃	H	H	H	H	CO ^t C ₆ H ₅	H	H	H
2889	CH ₃ OCH ₃	CO ^t C ₆ H ₅	H	H	H	H	CO ^t C ₆ H ₅	H	H
2890	CH ₃ OCH ₃	CO ^t C ₆ H ₅	H	H	H	CO ^t C ₆ H ₅	H	H	H
2891	CH ₃ OCH ₃	CO(p-CH ₃)C ₆ H ₄	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	CO(p-CH ₃)C ₆ H ₄	H
2892	CH ₃ OCH ₃	H	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H
2893	CH ₃ OCH ₃	CO(p-CH ₃)C ₆ H ₄	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	CO(p-CH ₃)C ₆ H ₄	H
2894	CH ₃ OCH ₃	CO(p-CH ₃)C ₆ H ₄	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	CO(p-CH ₃)C ₆ H ₄	H

Table 2] (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉	R ₁₀	R ₁₁	R ₁₂	R ₁₃	
2895	CH ₃ CCH ₃	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	
2896	CH ₃ CCH ₃	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	
2897	CH ₃ CCCH ₃	H	H	H	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	
2898	CH ₃ CCCH ₃	H	H	H	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	
2899	CH ₃ CCCH ₃	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	
2900	CH ₃ CCCH ₃	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	
2901	CH ₃ CCCH ₃	COCH ₂ C ₆ H ₅	H	H	H	H	H	COCH ₂ C ₆ H ₅	H	H	H	H	H	H	
2902	CH ₃ CCCH ₃	H	H	H	H	H	H	COCH ₂ C ₆ H ₅	H	H	H	H	H	H	
2903	CH ₃ CCCH ₃	H	H	H	H	H	H	COCH ₂ C ₆ H ₅	H	H	H	H	H	H	
2904	CH ₃ CCCH ₃	COCH ₂ C ₆ H ₅	H	H	H	H	H	COCH ₂ C ₆ H ₅	H	H	H	H	H	H	
2905	CH ₃ CCCH ₃	COCH ₂ C ₆ H ₅	H	H	H	H	H	COCH ₂ C ₆ H ₅	H	H	H	H	H	H	
2906	CH ₃ CCCH ₃	CO-cyclohexyl	H	H	H	H	H	CO-cyclohexyl	H	CO-cyclohexyl	H	CO-cyclohexyl	H	CO-cyclohexyl	H
2907	CH ₃ CCCH ₃	H	H	H	H	H	H	CO-cyclohexyl	H	CO-cyclohexyl	H	CO-cyclohexyl	H	CO-cyclohexyl	H
2908	CH ₃ CCCH ₃	H	H	H	H	H	H	CO-cyclohexyl	H	CO-cyclohexyl	H	CO-cyclohexyl	H	CO-cyclohexyl	H
2909	CH ₃ OCH ₃	CO-cyclohexyl	H	H	H	H	H	CO-cyclohexyl	H	CO-cyclohexyl	H	CO-cyclohexyl	H	CO-cyclohexyl	H
2910	CH ₃ OCH ₃	CO-cyclohexyl	H	H	H	H	H	CO-cyclohexyl	H	CO-cyclohexyl	H	CO-cyclohexyl	H	CO-cyclohexyl	H
2911	CH ₃ CC(CH ₃) ₃	COCH ₃	H	H	H	H	H	COCH ₃	H	COCH ₃	H	COCH ₃	H	COCH ₃	H
2912	CH ₃ CC(CH ₃) ₃	H	H	H	H	H	H	COCH ₃	H	COCH ₃	H	COCH ₃	H	COCH ₃	H
2913	CH ₃ CC(CH ₃) ₃	H	H	H	H	H	H	COCH ₃	H	COCH ₃	H	COCH ₃	H	COCH ₃	H
2914	CH ₃ CC(CH ₃) ₃	COCH ₃	H	H	H	H	H	COCH ₃	H	COCH ₃	H	COCH ₃	H	COCH ₃	H

[Table 2] (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2915	CH ₃ CC(CH ₃) ₃	COCH ₃	H	H	H	H	COCH ₃	H	H	H	H	H	H	H
2916	CH ₃ CC(CH ₃) ₃	COCH ₂ H ₅	H	H	H	H	H	H	H	H	H	H	H	H
2917	CH ₃ CC(CH ₃) ₃	H	H	H	H	H	COCH ₂ H ₅	H	H	H	H	H	H	H
2918	CH ₃ CC(CH ₃) ₃	H	H	H	H	H	COCH ₂ H ₅	H	H	H	H	H	H	H
2919	CH ₃ CC(CH ₃) ₃	COCH ₂ H ₅	H	H	H	H	H	H	H	H	H	H	H	H
2920	CH ₃ CC(CH ₃) ₃	COCH ₂ H ₅	H	H	H	H	COCH ₂ H ₅	H	H	H	H	H	H	H
2921	CH ₃ CC(CH ₃) ₃	CO ^v C ₆ H ₇	H	H	H	H	H	CO ^v C ₆ H ₇	H	H	H	H	H	H
2922	CH ₃ CC(CH ₃) ₃	H	H	H	H	H	CO ^v C ₆ H ₇	H	H	H	H	H	H	H
2923	CH ₃ CC(CH ₃) ₃	H	H	H	H	H	CO ^v C ₆ H ₇	H	H	H	H	H	H	H
2924	CH ₃ CC(CH ₃) ₃	CO ^v C ₆ H ₇	H	H	H	H	H	H	H	H	H	H	H	H
2925	CH ₃ CC(CH ₃) ₃	CO ^v C ₆ H ₇	H	H	H	H	CO ^v C ₆ H ₇	H	H	H	H	H	H	H
2926	CH ₃ CC(CH ₃) ₃	CO ^v C ₃ H ₇	H	H	H	H	H	CO ^v C ₃ H ₇	H	H	H	H	H	H
2927	CH ₃ CC(CH ₃) ₃	H	H	H	H	H	CO ^v C ₃ H ₇	H	H	H	H	H	H	H
2928	CH ₃ CC(CH ₃) ₃	H	H	H	H	H	CO ^v C ₃ H ₇	H	H	H	H	H	H	H
2929	CH ₃ CC(CH ₃) ₃	CO ^v C ₃ H ₇	H	H	H	H	H	CO ^v C ₃ H ₇	H	H	H	H	H	H
2930	CH ₃ CC(CH ₃) ₃	CO ^v C ₃ H ₇	H	H	H	H	H	H	H	H	H	H	H	H
2931	CH ₃ CC(CH ₃) ₃	CO ^v C ₄ H ₉	H	H	H	H	H	CO ^v C ₄ H ₉	H	H	CO ^v C ₄ H ₉	H	H	H
2932	CH ₃ CC(CH ₃) ₃	H	H	H	H	H	CO ^v C ₄ H ₉	H	H	H	H	H	H	H
2933	CH ₃ CC(CH ₃) ₃	CO ^v C ₄ H ₉	H	H	H	H	H	CO ^v C ₄ H ₉	H	H	CO ^v C ₄ H ₉	H	H	H
2934	CH ₃ CC(CH ₃) ₃	CO ^v C ₄ H ₉	H	H	H	H	H	CO ^v C ₄ H ₉	H	H	CO ^v C ₄ H ₉	H	H	H

[Table 2] (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2935	CH ₃ CC(CH ₃) ₃	CO ^v C ₄ H ₉	H	H	H	H	CO ^v C ₄ H ₉	H	H	H	H	H	H	H
2936	CH ₃ CC(CH ₃) ₃	CO ^v C ₄ H ₉	H	H	H	H	CO ^v C ₄ H ₉	H	H	H	H	H	H	H
2937	CH ₃ CC(CH ₃) ₃	H	H	H	H	H	CO ^v C ₄ H ₉	H	H	H	CO ^v C ₄ H ₉	H	H	H
2938	CH ₃ CC(CH ₃) ₃	H	H	H	H	H	CO ^v C ₄ H ₉	H	H	H	CO ^v C ₄ H ₉	H	H	H
2939	CH ₃ CC(CH ₃) ₃	CO ^s C ₄ H ₉	H	H	H	H	CO ^s C ₄ H ₉	H	H	H	CO ^s C ₄ H ₉	H	H	H
2940	CH ₃ CC(CH ₃) ₃	CO ^v C ₄ H ₉	H	H	H	H	CO ^v C ₄ H ₉	H	H	H	CO ^v C ₄ H ₉	H	H	H
2941	CH ₃ CC(CH ₃) ₃	CO ^s C ₄ H ₉	H	H	H	H	CO ^s C ₄ H ₉	H	H	H	CO ^s C ₄ H ₉	H	H	H
2942	CH ₃ CC(CH ₃) ₃	H	H	H	H	H	CO ^s C ₄ H ₉	H	H	H	CO ^s C ₄ H ₉	H	H	H
2943	CH ₃ CC(CH ₃) ₃	H	H	H	H	H	CO ^s C ₄ H ₉	H	H	H	CO ^s C ₄ H ₉	H	H	H
2944	CH ₃ CC(CH ₃) ₃	CO ^v C ₄ H ₉	H	H	H	H	CO ^v C ₄ H ₉	H	H	H	CO ^v C ₄ H ₉	H	H	H
2945	CH ₃ CC(CH ₃) ₃	CO ^s C ₄ H ₉	H	H	H	H	CO ^s C ₄ H ₉	H	H	H	CO ^s C ₄ H ₉	H	H	H
2946	CH ₃ CC(CH ₃) ₃	CO ^v C ₄ H ₉	H	H	H	H	CO ^v C ₄ H ₉	H	H	H	CO ^v C ₄ H ₉	H	H	H
2947	CH ₃ CC(CH ₃) ₃	H	H	H	H	H	CO ^v C ₄ H ₉	H	H	H	CO ^v C ₄ H ₉	H	H	H
2948	CH ₃ CC(CH ₃) ₃	H	H	H	H	H	CO ^v C ₄ H ₉	H	H	H	CO ^v C ₄ H ₉	H	H	H
2949	CH ₃ CC(CH ₃) ₃	CO ^s C ₄ H ₉	H	H	H	H	CO ^s C ₄ H ₉	H	H	H	CO ^s C ₄ H ₉	H	H	H
2950	CH ₃ CC(CH ₃) ₃	CO ^v C ₄ H ₉	H	H	H	H	CO ^v C ₄ H ₉	H	H	H	CO ^v C ₄ H ₉	H	H	H
2951	CH ₃ CC(CH ₃) ₃	COCH ₂ CH=CH ₂	H	H	H	H	COCH ₂ CH=CH ₂	H	H	H	COCH ₂ CH=CH ₂	H	H	H
2952	CH ₃ CC(CH ₃) ₃	H	H	H	H	H	COCH ₂ CH=CH ₂	H	H	H	COCH ₂ CH=CH ₂	H	H	H
2953	CH ₃ CC(CH ₃) ₃	COCH ₂ CH=CH ₂	H	H	H	H	COCH ₂ CH=CH ₂	H	H	H	COCH ₂ CH=CH ₂	H	H	H
2954	CH ₃ CC(CH ₃) ₃	COCH ₂ CH=CH ₂	H	H	H	H	COCH ₂ CH=CH ₂	H	H	H	COCH ₂ CH=CH ₂	H	H	H

Table 21 (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2955	CH ₃ CC(CH ₃) ₃	COCH ₂ CH=CH ₂	H	H	H	H	COCH ₂ CH=CH ₂	H	H	H
2956	CH ₃ CC(CH ₃) ₃	COCH ₃ H ₅	H	H	H	H	H	H	H	H
2957	CH ₃ CC(CH ₃) ₃	H	H	H	H	H	COCH ₃ H ₅	H	H	COCH ₃ H ₅
2958	CH ₃ CC(CH ₃) ₃	H	H	H	H	H	COCH ₃ H ₅	H	H	H
2959	CH ₃ CC(CH ₃) ₃	COCH ₃ H ₅	H	H	H	H	H	H	H	COCH ₃ H ₅
2960	CH ₃ CC(CH ₃) ₃	COCH ₃ H ₅	H	H	H	H	COCH ₃ H ₅	H	H	H
2961	CH ₃ CC(CH ₃) ₃	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H	H
2962	CH ₃ CC(CH ₃) ₃	H	H	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	CO(p-CH ₃)C ₆ H ₄
2963	CH ₃ CC(CH ₃) ₃	H	H	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H
2964	CH ₃ CC(CH ₃) ₃	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H	CO(p-CH ₃)C ₆ H ₄
2965	CH ₃ CC(CH ₃) ₃	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H
2966	CH ₃ CC(CH ₃) ₃	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H
2967	CH ₃ CC(CH ₃) ₃	H	H	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H
2968	CH ₃ CC(CH ₃) ₃	H	H	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H
2969	CH ₃ CC(CH ₃) ₃	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	H	H	H	CO(o-CH ₃)C ₆ H ₄
2970	CH ₃ CC(CH ₃) ₃	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H
2971	CH ₃ CC(CH ₃) ₃	COCH ₂ C ₆ H ₅	H	H	H	H	H	H	H	H
2972	CH ₃ CC(CH ₃) ₃	H	H	H	H	H	COCH ₂ C ₆ H ₅	H	H	COCH ₂ C ₆ H ₅
2973	CH ₃ CC(CH ₃) ₃	H	H	H	H	H	COCH ₂ C ₆ H ₅	H	H	H
2974	CH ₃ CC(CH ₃) ₃	COCH ₂ C ₆ H ₅	H	H	H	H	H	H	H	COCH ₂ C ₆ H ₅

Table 2] (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₆	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2975	CH ₃ CC(CH ₃) ₃	COC(=O)C ₆ H ₅	H	H	H	COOH ₂ C ₆ H ₅	H	H	H
2976	CH ₃ CC(CH ₃) ₃	CO-cyclohexyl	H	H	H		H	H	H
2977	CH ₃ CC(CH ₃) ₃	H	H	H	H	CO-cyclohexyl	H		
2978	CH ₃ CC(CH ₃) ₃	H	H	H	H	CO-cyclohexyl	H	H	H
2979	CH ₃ CC(CH ₃) ₃	CO-cyclohexyl	H	H	H		H		
2980	CH ₃ CC(CH ₃) ₃	CO-cyclohexyl	H	H	H	CO-cyclohexyl	H	H	H
2981	CH ₃ CC ₆ H ₅	COCH ₃	H	H	H		H	H	H
2982	CH ₃ CC ₆ H ₅	H	H	H	H	COCH ₃	H	COCH ₃	H
2983	CH ₃ CC ₆ H ₅	H	H	H	H	COCH ₃	H	H	H
2984	CH ₃ CC ₆ H ₅	COCH ₃	H	H	H		H		COCH ₃
2985	CH ₃ CC ₆ H ₅	COCH ₃	H	H	H	COCH ₃	H	H	H
2986	CH ₃ CC ₆ H ₅	COCH ₃	H	H	H		H	H	H
2987	CH ₃ CC ₆ H ₅	H	H	H	H	COCH ₂ H ₅	H		
2988	CH ₃ CC ₆ H ₅	H	H	H	H	COCH ₂ H ₅	H	H	H
2989	CH ₃ CC ₆ H ₅	COCH ₂ H ₅	H	H	H		H		COCH ₂ H ₅
2990	CH ₃ CC ₆ H ₅	COCH ₂ H ₅	H	H	H	COCH ₂ H ₅	H	H	H
2991	CH ₃ CC ₆ H ₅	CO ² C ₃ H ₇	H	H	H		H	H	H
2992	CH ₃ CC ₆ H ₅	H	H	H	H	CO ² C ₃ H ₇	H		CO ² C ₃ H ₇
2993	CH ₃ CC ₆ H ₅	H	H	H	H	CO ² C ₃ H ₇	H	H	H
2994	CH ₃ CC ₆ H ₅	CO ² C ₃ H ₇	H	H	H		H		CO ² C ₃ H ₇

Table 2] (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₁₀	R ₁₁	R ₁₂	R ₁₃
2995	CH ₃ CC ₆ H ₅	CO ^o C ₃ H ₇	H	H	H	H			CO ^o C ₃ H ₇	H	H	H
2996	CH ₃ CC ₆ H ₅	CO ^o C ₃ H ₇	H	H	H	H			CO ^o C ₃ H ₇	H	H	H
2997	CH ₃ CC ₆ H ₅	H	H	H	H	H			CO ^o C ₃ H ₇	H	CO ^o C ₃ H ₇	H
2998	CH ₃ CC ₆ H ₅	H	H	H	H	H			CO ^o C ₃ H ₇	H	H	H
2999	CH ₃ CC ₆ H ₅	CO ^o C ₃ H ₇	H	H	H	H			CO ^o C ₃ H ₇	H	CO ^o C ₃ H ₇	H
3000	CH ₃ CC ₆ H ₅	CO ^o C ₃ H ₇	H	H	H	H			CO ^o C ₃ H ₇	H	H	H
3001	CH ₃ CC ₆ H ₅	CO ^o C ₄ H ₉	H	H	H	H			CO ^o C ₄ H ₉	H	H	H
3002	CH ₃ CC ₆ H ₅	H	H	H	H	H			CO ^o C ₄ H ₉	H	CO ^o C ₄ H ₉	H
3003	CH ₃ CC ₆ H ₅	H	H	H	H	H			CO ^o C ₄ H ₉	H	H	H
3004	CH ₃ CC ₆ H ₅	CO ^o C ₄ H ₉	H	H	H	H			CO ^o C ₄ H ₉	H	CO ^o C ₄ H ₉	H
3005	CH ₃ CC ₆ H ₅	CO ^o C ₄ H ₉	H	H	H	H			CO ^o C ₄ H ₉	H	H	H
3006	CH ₃ CC ₆ H ₅	CO ^o C ₄ H ₉	H	H	H	H			CO ^o C ₄ H ₉	H	H	H
3007	CH ₃ CC ₆ H ₅	H	H	H	H	H			CO ^o C ₄ H ₉	H	CO ^o C ₄ H ₉	H
3008	CH ₃ CC ₆ H ₅	H	H	H	H	H			CO ^o C ₄ H ₉	H	H	H
3009	CH ₃ CC ₆ H ₅	CO ^o C ₄ H ₉	H	H	H	H			CO ^o C ₄ H ₉	H	CO ^o C ₄ H ₉	H
3010	CH ₃ CC ₆ H ₅	CO ^o C ₄ H ₉	H	H	H	H			CO ^o C ₄ H ₉	H	H	H
3011	CH ₃ CC ₆ H ₅	CO ^o C ₄ H ₉	H	H	H	H			CO ^o C ₄ H ₉	H	H	H
3012	CH ₃ CC ₆ H ₅	H	H	H	H	H			CO ^o C ₄ H ₉	H	CO ^o C ₄ H ₉	H
3013	CH ₃ CC ₆ H ₅	H	H	H	H	H			CO ^o C ₄ H ₉	H	H	H
3014	CH ₃ CC ₆ H ₅	CO ^o C ₄ H ₉	H	H	H	H			CO ^o C ₄ H ₉	H	CO ^o C ₄ H ₉	H

Table 2] (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₃
3015	CH ₃ CC ₆ H ₅	CO'C ₄ H ₉	H	H	H	CO'C ₄ H ₉	H	H	H
3016	CH ₃ CC ₆ H ₅	CO'C ₄ H ₉	H	H	H	H	H	H	H
3017	CH ₃ CC ₆ H ₅	H	H	H	H	CO'C ₄ H ₉	H	H	CO'C ₄ H ₉
3018	CH ₃ CC ₆ H ₅	H	H	H	H	CO'C ₄ H ₉	H	H	H
3019	CH ₃ CC ₆ H ₅	CO'C ₄ H ₉	H	H	H	H	H	H	CO'C ₄ H ₉
3020	CH ₃ CC ₆ H ₅	CO'C ₄ H ₉	H	H	H	CO'C ₄ H ₉	H	H	H
3021	CH ₃ CC ₆ H ₅	COCH ₂ CH=CH ₂	H	H	H	H	H	H	H
3022	CH ₃ CC ₆ H ₅	H	H	H	H	COCH ₂ CH=CH ₂	H	COCH ₂ CH=CH ₂	H
3023	CH ₃ CC ₆ H ₅	H	H	H	H	COCH ₂ CH=CH ₂	H	H	H
3024	CH ₃ CC ₆ H ₅	COCH ₂ CH=CH ₂	H	H	H	H	H	COCH ₂ CH=CH ₂	H
3025	CH ₃ CC ₆ H ₅	COCH ₂ CH=CH ₂	H	H	H	COCH ₂ CH=CH ₂	H	H	H
3026	CH ₃ CC ₆ H ₅	CO'C ₆ H ₅	H	H	H	H	H	H	H
3027	CH ₃ CC ₆ H ₅	H	H	H	H	CO'C ₆ H ₅	H	H	CO'C ₆ H ₅
3028	CH ₃ CC ₆ H ₅	H	H	H	H	CO'C ₆ H ₅	H	H	H
3029	CH ₃ CC ₆ H ₅	CO'C ₆ H ₅	H	H	H	H	H	H	CO'C ₆ H ₅
3030	CH ₃ CC ₆ H ₅	CO'C ₆ H ₅	H	H	H	CO'C ₆ H ₅	H	H	H
3031	CH ₃ CC ₆ H ₅	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	CO(p-CH ₃)C ₆ H ₄
3032	CH ₃ CC ₆ H ₅	H	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H
3033	CH ₃ CC ₆ H ₅	CO(p-CH ₃)C ₆ H ₄	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	CO(p-CH ₃)C ₆ H ₄
3034	CH ₃ CC ₆ H ₅	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	H	H	CO(p-CH ₃)C ₆ H ₄

Table 2 (continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
3035	CH ₃ CC ₆ H ₅	CO(p-CH ₃)C ₆ H ₄	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H
3036	CH ₃ CC ₆ H ₅	CO(o-CH ₃)C ₆ H ₄	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H
3037	CH ₃ CC ₆ H ₅	H	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H
3038	CH ₃ CC ₆ H ₅	H	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H
3039	CH ₃ CC ₆ H ₅	CO(o-CH ₃)C ₆ H ₄	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H
3040	CH ₃ CC ₆ H ₅	CO(o-CH ₃)C ₆ H ₄	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H
3041	CH ₃ CC ₆ H ₅	COCH ₂ C ₆ H ₅	H	H	H	COCH ₂ C ₆ H ₅	H	H	H
3042	CH ₃ CC ₆ H ₅	H	H	H	H	COCH ₂ C ₆ H ₅	H	H	H
3043	CH ₃ CC ₆ H ₅	H	H	H	H	COCH ₂ C ₆ H ₅	H	H	H
3044	CH ₃ CC ₆ H ₅	COCH ₂ C ₆ H ₅	H	H	H	COCH ₂ C ₆ H ₅	H	H	H
3045	CH ₃ CC ₆ H ₅	COCH ₂ C ₆ H ₅	H	H	H	COCH ₂ C ₆ H ₅	H	H	H
3046	CH ₃ CC ₆ H ₅	CO-cyclohexyl	H	H	H	CO-cyclohexyl	H	CO-cyclohexyl	H
3047	CH ₃ CC ₆ H ₅	H	H	H	H	CO-cyclohexyl	H	CO-cyclohexyl	H
3048	CH ₃ CC ₆ H ₅	H	H	H	H	CO-cyclohexyl	H	CO-cyclohexyl	H
3049	CH ₃ CC ₆ H ₅	CO-cyclohexyl	H	H	H	CO-cyclohexyl	H	CO-cyclohexyl	H
3050	CH ₃ CC ₆ H ₅	CO-cyclohexyl	H	H	H	CO-cyclohexyl	H	CO-cyclohexyl	H
3051	None	COOH ₃	H	H	H	COCH ₃	H	COCH ₃	H
3052	None	H	H	H	H	COCH ₃	H	COCH ₃	H
3053	None	H	H	H	H	COCH ₃	H	COCH ₃	H
3054	None	COCH ₃	H	H	H	COCH ₃	H	COCH ₃	H

Table 2] (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
3055	None	COCH ₃	H	H	H	H	COOCH ₃	H	H	H
3056	None	COC ₂ H ₅	H	H	H	H	H	H	H	H
3057	None	H	H	H	H	H	COC ₂ H ₅	H	COC ₂ H ₅	H
3058	None	H	H	H	H	H	COC ₂ H ₅	H	H	H
3059	None	COC ₂ H ₅	H	H	H	H	H	COC ₂ H ₅	H	H
3060	None	COC ₃ H ₅	H	H	H	H	COC ₂ H ₅	H	H	H
3061	None	CO'C ₃ H ₇	H	H	H	H	H	H	H	H
3062	None	H	H	H	H	H	CO'C ₃ H ₇	H	CO'C ₃ H ₇	H
3063	None	H	H	H	H	H	CO'C ₃ H ₇	H	H	H
3064	None	CO'C ₃ H ₇	H	H	H	H	H	CO'C ₃ H ₇	H	H
3065	None	CO'C ₃ H ₇	H	H	H	H	CO'C ₃ H ₇	H	H	H
3066	None	CO'C ₃ H ₇	H	H	H	H	H	H	H	H
3067	None	H	H	H	H	H	CO'C ₃ H ₇	H	CO'C ₃ H ₇	H
3068	None	H	H	H	H	H	CO'C ₃ H ₇	H	H	H
3069	None	CO'C ₃ H ₇	H	H	H	H	H	CO'C ₃ H ₇	H	H
3070	None	CO'C ₃ H ₇	H	H	H	H	CO'C ₃ H ₇	H	H	H
3071	None	CO'C ₄ H ₉	H	H	H	H	H	H	H	H
3072	None	H	H	H	H	H	CO'C ₄ H ₉	H	CO'C ₄ H ₉	H
3073	None	H	H	H	H	H	CO'C ₄ H ₉	H	H	H
3074	None	CO'C ₄ H ₉	H	H	H	H	H	CO'C ₄ H ₉	H	H

Table 2] (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇ ₁₀	R ₁₁	R ₁₂	R ₁₃
3075	None	C≡C ₄ H ₉	H	H	H	C≡C ₄ H ₉	H	H	H	H	H
3076	None	C≡C ₄ H ₉	H	H	H	C≡C ₄ H ₉	H	H	H	H	H
3077	None	H	H	H	H	C≡C ₄ H ₉	H	C≡C ₄ H ₉	H	H	H
3078	None	H	H	H	H	C≡C ₄ H ₉	H	H	H	H	H
3079	None	C≡C ₄ H ₉	H	H	H	C≡C ₄ H ₉	H	H	C≡C ₄ H ₉	H	H
3080	None	C≡C ₄ H ₉	H	H	H	C≡C ₄ H ₉	H	H	H	H	H
3081	None	C≡C ₄ H ₉	H	H	H	C≡C ₄ H ₉	H	H	H	H	H
3082	None	H	H	H	H	C≡C ₄ H ₉	H	C≡C ₄ H ₉	H	C≡C ₄ H ₉	H
3083	None	H	H	H	H	C≡C ₄ H ₉	H	H	H	H	H
3084	None	C≡C ₄ H ₉	H	H	H	C≡C ₄ H ₉	H	C≡C ₄ H ₉	H	C≡C ₄ H ₉	H
3085	None	C≡C ₄ H ₉	H	H	H	C≡C ₄ H ₉	H	H	H	H	H
3086	None	C≡C ₄ H ₉	H	H	H	C≡C ₄ H ₉	H	H	H	H	H
3087	None	H	H	H	H	C≡C ₄ H ₉	H	C≡C ₄ H ₉	H	C≡C ₄ H ₉	H
3088	None	H	H	H	H	C≡C ₄ H ₉	H	H	H	H	H
3089	None	C≡C ₄ H ₉	H	H	H	C≡C ₄ H ₉	H	C≡C ₄ H ₉	H	C≡C ₄ H ₉	H
3090	None	C≡C ₄ H ₉	H	H	H	C≡C ₄ H ₉	H	H	H	H	H
3091	None	COCH ₂ CH=CH ₂	H	H	H	C≡C ₄ H ₉	H	H	H	H	H
3092	None	H	H	H	H	C≡C ₄ H ₉	H	COCH ₂ CH=CH ₂	H	COCH ₂ CH=CH ₂	H
3093	None	COCH ₂ CH=CH ₂	H	H	H	COCH ₂ CH=CH ₂	H	H	H	H	H
3094	None	COCH ₂ CH=CH ₂	H	H	H	COCH ₂ CH=CH ₂	H	COCH ₂ CH=CH ₂	H	COCH ₂ CH=CH ₂	H

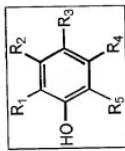
[Table 2] (Continued)

Compound No.	X	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	R ₉	R ₁₀	R ₁₁	R ₁₂	R ₁₃
3095	None	COCH ₂ CH=CH ₂	H	H	H	H	COCH ₂ CH=CH ₂	H	H	H	H	H	H	H
3096	None	COC ₆ H ₅	H	H	H	H	COC ₆ H ₅	H	H	H	COC ₆ H ₅	H	H	H
3097	None	H	H	H	H	H	COC ₆ H ₅	H	H	H	COC ₆ H ₅	H	H	H
3098	None	H	H	H	H	H	COC ₆ H ₅	H	H	H	COC ₆ H ₅	H	H	H
3099	None	COC ₆ H ₅	H	H	H	H	COC ₆ H ₅	H	H	H	COC ₆ H ₅	H	H	H
3100	None	COC ₆ H ₅	H	H	H	H	COC ₆ H ₅	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H
3101	None	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H
3102	None	H	H	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H
3103	None	H	H	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H
3104	None	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H
3105	None	CO(p-CH ₃)C ₆ H ₄	H	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H	CO(p-CH ₃)C ₆ H ₄	H	H	H
3106	None	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H
3107	None	H	H	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H
3108	None	H	H	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H
3109	None	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H
3110	None	CO(o-CH ₃)C ₆ H ₄	H	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H	CO(o-CH ₃)C ₆ H ₄	H	H	H
3111	None	COCH ₂ C ₆ H ₅	H	H	H	H	COCH ₂ C ₆ H ₅	H	H	H	COCH ₂ C ₆ H ₅	H	H	H
3112	None	H	H	H	H	H	COCH ₂ C ₆ H ₅	H	H	H	COCH ₂ C ₆ H ₅	H	H	H
3113	None	H	H	H	H	H	COCH ₂ C ₆ H ₅	H	H	H	COCH ₂ C ₆ H ₅	H	H	H
3114	None	COCH ₂ C ₆ H ₅	H	H	H	H	COCH ₂ C ₆ H ₅	H	H	H	COCH ₂ C ₆ H ₅	H	H	H

【Table 2】 (Continued)

Compound No.	X	R ₁	R ₂	R ₄	R ₅	R ₁₀	R ₁₁	R ₁₂	R ₁₃
3115	None	COCl ₂ C ₆ H ₅	H	H	H	COCH ₂ C ₆ H ₅	H	H	H
3116	None	CO-cyclohexyl	H	H	H	H	H	H	H
3117	None	H	H	H	H	CO-cyclohexyl	H	CO-cyclohexyl	H
3118	None	H	H	H	H	CO-cyclohexyl	H	H	H
3119	None	CO-cyclohexyl	H	H	H	H	H	CO-cyclohexyl	H
3120	None	CO-cyclohexyl	H	H	H	CO-cyclohexyl	H	H	H

Table 3



Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3121	SO ₂ CH ₃	H	H	H	H
3122	SO ₂ CH ₃	H	SO ₂ CH ₃	H	H
3123	SO ₂ CH ₃	H	H	H	SO ₂ CH ₃
3124	SO ₂ CH ₃	H	SO ₂ CH ₃	H	SO ₂ CH ₃
3125	SO ₂ CH ₃	CH ₃	H	H	H
3126	SO ₂ CH ₃	CH ₃	SO ₂ CH ₃	H	H
3127	SO ₂ CH ₃	CH ₃	H	H	SO ₂ CH ₃
3128	SO ₂ CH ₃	CH ₃	SO ₂ CH ₃	H	SO ₂ CH ₃
3129	SO ₂ CH ₃	H	CH ₃	H	H
3130	SO ₂ CH ₃	H	CH ₃	H	SO ₂ CH ₃
3131	SO ₂ CH ₃	H	H	CH ₃	H
3132	SO ₂ CH ₃	H	SO ₂ CH ₃	CH ₃	H
3133	SO ₂ CH ₃	H	H	H	CH ₃
3134	SO ₂ CH ₃	H	SO ₂ CH ₃	H	CH ₃

Table 3 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3135	SO ₂ CH ₃	C ₂ H ₅	H	H	H
3136	SO ₂ CH ₃	C ₂ H ₅	SO ₂ CH ₃	H	H
3137	SO ₂ CH ₃	C ₂ H ₅	H	H	SO ₂ CH ₃
3138	SO ₂ CH ₃	C ₂ H ₅	SO ₂ CH ₃	H	SO ₂ CH ₃
3139	SO ₂ CH ₃	H	C ₂ H ₅	H	H
3140	SO ₂ CH ₃	H	C ₂ H ₅	H	SO ₂ CH ₃
3141	SO ₂ CH ₃	H	H	C ₂ H ₅	H
3142	SO ₂ CH ₃	H	SO ₂ CH ₃	C ₂ H ₅	H
3143	SO ₂ CH ₃	H	H	H	C ₂ H ₅
3144	SO ₂ CH ₃	H	SO ₂ CH ₃	H	C ₂ H ₅
3145	SO ₂ CH ₃	ⁿ C ₃ H ₇	H	H	H
3146	SO ₂ CH ₃	ⁿ C ₃ H ₇	SO ₂ CH ₃	H	H
3147	SO ₂ CH ₃	ⁿ C ₃ H ₇	H	H	SO ₂ CH ₃
3148	SO ₂ CH ₃	ⁿ C ₃ H ₇	SO ₂ CH ₃	H	SO ₂ CH ₃
3149	SO ₂ CH ₃	H	ⁿ C ₃ H ₇	H	H
3150	SO ₂ CH ₃	H	ⁿ C ₃ H ₇	H	SO ₂ CH ₃
3151	SO ₂ CH ₃	H	H	ⁿ C ₃ H ₇	H
3152	SO ₂ CH ₃	H	SO ₂ CH ₃	ⁿ C ₃ H ₇	H
3153	SO ₂ CH ₃	H	H	ⁿ C ₃ H ₇	ⁿ C ₃ H ₇
3154	SO ₂ CH ₃	H	SO ₂ CH ₃	H	ⁿ C ₃ H ₇

Table 3 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3155	SO ₂ CH ₃	¹ C ₆ H ₇	H	H	H
3156	SO ₂ CH ₃	¹ C ₆ H ₇	SO ₂ CH ₃	H	H
3157	SO ₂ CH ₃	¹ C ₆ H ₇	H	H	SO ₂ CH ₃
3158	SO ₂ CH ₃	¹ C ₆ H ₇	SO ₂ CH ₃	H	SO ₂ CH ₃
3159	SO ₂ CH ₃	H	¹ C ₆ H ₇	H	H
3160	SO ₂ CH ₃	H	¹ C ₆ H ₇	H	SO ₂ CH ₃
3161	SO ₂ CH ₃	H	H	¹ C ₆ H ₇	H
3162	SO ₂ CH ₃	H	SO ₂ CH ₃	¹ C ₆ H ₇	H
3163	SO ₂ CH ₃	H	H	¹ C ₆ H ₇	H
3164	SO ₂ CH ₃	H	SO ₂ CH ₃	H	H
3165	SO ₂ CH ₃	C ₁	H	H	H
3166	SO ₂ CH ₃	C ₁	SO ₂ CH ₃	H	¹ C ₆ H ₇
3167	SO ₂ CH ₃	C ₁	H	H	¹ C ₆ H ₇
3168	SO ₂ CH ₃	C ₁	SO ₂ CH ₃	H	H
3169	SO ₂ CH ₃	H	C ₁	H	H
3170	SO ₂ CH ₃	H	C ₁	H	SO ₂ CH ₃
3171	SO ₂ CH ₃	H	H	C ₁	H
3172	SO ₂ CH ₃	H	SO ₂ CH ₃	C ₁	H
3173	SO ₂ CH ₃	H	H	H	C ₁
3174	SO ₂ CH ₃	H	SO ₂ CH ₃	H	C ₁

Table 31 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3175	SO ₂ CH ₃	CH ₃	CH ₃	H	H
3176	SO ₂ CH ₃	CH ₃	CH ₃	H	SO ₂ CH ₃
3177	SO ₂ CH ₃	CH ₃	H	CH ₃	H
3178	SO ₂ CH ₃	CH ₃	SO ₂ CH ₃	CH ₃	H
3179	SO ₂ CH ₃	CH ₃	H	CH ₃	SO ₂ CH ₃
3180	SO ₂ CH ₃	CH ₃	SO ₂ CH ₃	H	SO ₂ CH ₃
3181	SO ₂ CH ₃	CH ₃	H	H	CH ₃
3182	SO ₂ CH ₃	CH ₃	SO ₂ CH ₃	H	CH ₃
3183	SO ₂ CH ₃	H	CH ₃	CH ₃	H
3184	SO ₂ CH ₃	H	CH ₃	CH ₃	SO ₂ CH ₃
3185	SO ₂ CH ₃	H	CH ₃	H	CH ₃
3186	SO ₂ CH ₃	H	H	CH ₃	CH ₃
3187	SO ₂ CH ₃	H	SO ₂ CH ₃	CH ₃	CH ₃
3188	SO ₂ CH ₃	OCH ₃	H	H	H
3189	SO ₂ CH ₃	OCH ₃	SO ₂ CH ₃	H	H
3190	SO ₂ CH ₃	OCH ₃	H	SO ₂ CH ₃	H
3191	SO ₂ CH ₃	OCH ₃	H	H	SO ₂ CH ₃
3192	SO ₂ CH ₃	OCH ₃	SO ₂ CH ₃	H	SO ₂ CH ₃
3193	SO ₂ CH ₃	H	OCH ₃	H	H
3194	SO ₂ CH ₃	SO ₂ CH ₃	OCH ₃	H	H

[Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3195	SO ₂ CH ₃	H	OCH ₃	SO ₂ CH ₃	H
3196	SO ₂ CH ₃	H	OCH ₃	H	SO ₂ CH ₃
3197	SO ₂ CH ₃	SO ₂ CH ₃	OCH ₃	SO ₂ CH ₃	H
3198	SO ₂ CH ₃	SO ₂ CH ₃	OCH ₃	H	SO ₂ CH ₃
3199	SO ₂ CH ₃	H	H	OCH ₃	H
3200	SO ₂ CH ₃	H	SO ₂ CH ₃	OCH ₃	H
3201	SO ₂ CH ₃	H	H	H	OCH ₃
3202	SO ₂ CH ₃	SO ₂ CH ₃	H	H	OCH ₃
3203	SO ₂ CH ₃	H	SO ₂ CH ₃	H	OCH ₃
3204	SO ₂ CH ₃	H	H	SO ₂ CH ₃	OCH ₃
3205	SO ₂ CH ₃	SO ₂ CH ₃	SO ₂ CH ₃	H	OCH ₃
3206	SO ₂ CH ₃	SO ₂ CH ₃	H	SO ₂ CH ₃	OCH ₃
3207	SO ₂ CH ₃	H	SO ₂ CH ₃	SO ₂ CH ₃	OCH ₃
3208	SO ₂ CH ₃	OH	H	H	H
3209	SO ₂ CH ₃	OH	SO ₂ CH ₃	H	H
3210	SO ₂ CH ₃	OH	H	SO ₂ CH ₃	H
3211	SO ₂ CH ₃	OH	H	H	SO ₂ CH ₃
3212	SO ₂ CH ₃	OH	SO ₂ CH ₃	H	SO ₂ CH ₃
3213	SO ₂ CH ₃	H	OH	H	H
3214	SO ₂ CH ₃	SO ₂ CH ₃	OH	H	H

Table 3 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3215	SO ₂ CH ₃	H	OH	SO ₂ CH ₃	H
3216	SO ₂ CH ₃	H	OH	SO ₂ CH ₃	H
3217	SO ₂ CH ₃	SO ₂ CH ₃	OH	SO ₂ CH ₃	H
3218	SO ₂ CH ₃	SO ₂ CH ₃	OH	SO ₂ CH ₃	H
3219	SO ₂ CH ₃	H	H	OH	H
3220	SO ₂ CH ₃	H	SO ₂ CH ₃	OH	H
3221	SO ₂ CH ₃	H	H	H	OH
3222	SO ₂ CH ₃	SO ₂ CH ₃	H	H	OH
3223	SO ₂ CH ₃	H	SO ₂ CH ₃	H	OH
3224	SO ₂ CH ₃	H	H	SO ₂ CH ₃	OH
3225	SO ₂ CH ₃	SO ₂ CH ₃	SO ₂ CH ₃	H	OH
3226	SO ₂ CH ₃	SO ₂ CH ₃	H	SO ₂ CH ₃	OH
3227	SO ₂ CH ₃	H	SO ₂ CH ₃	SO ₂ CH ₃	OH
3228	SO ₂ C ₂ H ₅	H	H	H	H
3229	SO ₂ C ₂ H ₅	H	SO ₂ C ₂ H ₅	H	H
3230	SO ₂ C ₂ H ₅	H	H	SO ₂ C ₂ H ₅	H
3231	SO ₂ C ₂ H ₅	H	SO ₂ C ₂ H ₅	H	SO ₂ C ₂ H ₅
3232	SO ₂ C ₂ H ₅	CH ₃	H	H	H
3233	SO ₂ C ₂ H ₅	CH ₃	SO ₂ C ₂ H ₅	H	H
3234	SO ₂ C ₂ H ₅	CH ₃	H	H	SO ₂ C ₂ H ₅

Table 31 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3235	SO ₂ C ₂ H ₅	CH ₃	SO ₂ C ₂ H ₅	H	SO ₂ C ₂ H ₅
3236	SO ₂ C ₂ H ₅	H	CH ₃	H	H
3237	SO ₂ C ₂ H ₅	H	CH ₃	H	SO ₂ C ₂ H ₅
3238	SO ₂ C ₂ H ₅	H	H	CH ₃	H
3239	SO ₂ C ₂ H ₅	H	SO ₂ C ₂ H ₅	CH ₃	H
3240	SO ₂ C ₂ H ₅	H	H	H	CH ₃
3241	SO ₂ C ₂ H ₅	H	SO ₂ C ₂ H ₅	H	CH ₃
3242	SO ₂ C ₂ H ₅	C ₂ H ₅	H	H	H
3243	SO ₂ C ₂ H ₅	C ₂ H ₅	SO ₂ C ₂ H ₅	H	H
3244	SO ₂ C ₂ H ₅	C ₂ H ₅	H	H	SO ₂ C ₂ H ₅
3245	SO ₂ C ₂ H ₅	C ₂ H ₅	SO ₂ C ₂ H ₅	H	SO ₂ C ₂ H ₅
3246	SO ₂ C ₂ H ₅	H	C ₂ H ₅	H	H
3247	SO ₂ C ₂ H ₅	H	C ₂ H ₅	H	SO ₂ C ₂ H ₅
3248	SO ₂ C ₂ H ₅	H	H	C ₂ H ₅	H
3249	SO ₂ C ₂ H ₅	H	SO ₂ C ₂ H ₅	C ₂ H ₅	H
3250	SO ₂ C ₂ H ₅	H	H	H	C ₂ H ₅
3251	SO ₂ C ₂ H ₅	H	SO ₂ C ₂ H ₅	H	C ₂ H ₅
3252	SO ₂ C ₂ H ₅	"C ₃ H ₇	H	H	H
3253	SO ₂ C ₂ H ₅	"C ₃ H ₇	SO ₂ C ₂ H ₅	H	H
3254	SO ₂ C ₂ H ₅	"C ₃ H ₇	H	H	SO ₂ C ₂ H ₅

Table 3 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3255	SO ₂ C ₆ H ₅	ⁿ C ₆ H ₇	SO ₂ C ₆ H ₅	II	SO ₂ C ₂ H ₅
3256	SO ₂ C ₆ H ₅	II	ⁿ C ₆ H ₇	II	II
3257	SO ₂ C ₆ H ₅	II	ⁿ C ₆ H ₇	II	SO ₂ C ₂ H ₅
3258	SO ₂ C ₆ H ₅	II	II	ⁿ C ₆ H ₇	II
3259	SO ₂ C ₆ H ₅	II	SO ₂ C ₂ H ₅	ⁿ C ₆ H ₇	II
3260	SO ₂ C ₆ H ₅	II	II	II	ⁿ C ₆ H ₇
3261	SO ₂ C ₆ H ₅	II	SO ₂ C ₂ H ₅	II	ⁿ C ₆ H ₇
3262	SO ₂ C ₆ H ₅	ⁱ C ₆ H ₇	II	II	II
3263	SO ₂ C ₆ H ₅	^l C ₆ H ₇	SO ₂ C ₂ H ₅	II	II
3264	SO ₂ C ₆ H ₅	ⁱ C ₆ H ₇	II	II	SO ₂ C ₂ H ₅
3265	SO ₂ C ₆ H ₅	^l C ₆ H ₇	SO ₂ C ₂ H ₅	II	SO ₂ C ₂ H ₅
3266	SO ₂ C ₆ H ₅	II	^l C ₆ H ₇	II	II
3267	SO ₂ C ₂ H ₅	II	^l C ₆ H ₇	II	SO ₂ C ₂ H ₅
3268	SO ₂ C ₆ H ₅	II	II	ⁱ C ₆ H ₇	II
3269	SO ₂ C ₆ H ₅	II	SO ₂ C ₂ H ₅	ⁱ C ₆ H ₇	II
3270	SO ₂ C ₂ H ₅	II	II	II	^l C ₆ H ₇
3271	SO ₂ C ₂ H ₅	II	SO ₂ C ₂ H ₅	II	^l C ₆ H ₇
3272	SO ₂ C ₂ H ₅	C1	II	II	II
3273	SO ₂ C ₂ H ₅	C1	SO ₂ C ₂ H ₅	II	II
3274	SO ₂ C ₂ H ₅	C1	II	II	SO ₂ C ₂ H ₅

Table 31 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3275	SO ₂ C ₂ H ₅	Cl	SO ₂ C ₂ H ₅	H	SO ₂ C ₂ H ₅
3276	SO ₂ C ₂ H ₅	H	Cl	H	H
3277	SO ₂ C ₂ H ₅	H	Cl	H	SO ₂ C ₂ H ₅
3278	SO ₂ C ₂ H ₅	H	H	Cl	H
3279	SO ₂ C ₂ H ₅	H	SO ₂ C ₂ H ₅	Cl	H
3280	SO ₂ C ₂ H ₅	H	H	H	Cl
3281	SO ₂ C ₂ H ₅	H	SO ₂ C ₂ H ₅	H	Cl
3282	SO ₂ C ₂ H ₅	CH ₃	CH ₃	H	H
3283	SO ₂ C ₂ H ₅	CH ₃	CH ₃	H	SO ₂ C ₂ H ₅
3284	SO ₂ C ₂ H ₅	CH ₃	H	CH ₃	H
3285	SO ₂ C ₂ H ₅	CH ₃	SO ₂ C ₂ H ₅	CH ₃	H
3286	SO ₂ C ₂ H ₅	CH ₃	H	CH ₃	SO ₂ C ₂ H ₅
3287	SO ₂ C ₂ H ₅	CH ₃	SO ₂ C ₂ H ₅	CH ₃	SO ₂ C ₂ H ₅
3288	SO ₂ C ₂ H ₅	CH ₃	H	CH ₃	CH ₃
3289	SO ₂ C ₂ H ₅	CH ₃	SO ₂ C ₂ H ₅	H	CH ₃
3290	SO ₂ C ₂ H ₅	H	CH ₃	CH ₃	H
3291	SO ₂ C ₂ H ₅	H	CH ₃	CH ₃	SO ₂ C ₂ H ₅
3292	SO ₂ C ₂ H ₅	H	CH ₃	H	CH ₃
3293	SO ₂ C ₂ H ₅	H	H	CH ₃	CH ₃
3294	SO ₂ C ₂ H ₅	H	SO ₂ C ₂ H ₅	CH ₃	CH ₃

Table 3 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3295	SO ₂ C ₂ H ₅	OCH ₃	H	H	H
3296	SO ₂ C ₂ H ₅	OCH ₃	SO ₂ C ₂ H ₅	H	H
3297	SO ₂ C ₂ H ₅	OCH ₃	H	SO ₂ C ₂ H ₅	H
3298	SO ₂ C ₂ H ₅	OCH ₃	H	H	SO ₂ C ₂ H ₅
3299	SO ₂ C ₂ H ₅	OCH ₃	SO ₂ C ₂ H ₅	H	SO ₂ C ₂ H ₅
3300	SO ₂ C ₂ H ₅	H	OCH ₃	H	H
3301	SO ₂ C ₂ H ₅	SO ₂ C ₂ H ₅	OCH ₃	H	H
3302	SO ₂ C ₂ H ₅	H	OCH ₃	SO ₂ C ₂ H ₅	H
3303	SO ₂ C ₂ H ₅	H	OCH ₃	H	SO ₂ C ₂ H ₅
3304	SO ₂ C ₂ H ₅	SO ₂ CH ₃	OCH ₃	SO ₂ C ₂ H ₅	H
3305	SO ₂ C ₂ H ₅	SO ₂ CH ₃	OCH ₃	H	SO ₂ C ₂ H ₅
3306	SO ₂ C ₂ H ₅	H	H	OCH ₃	H
3307	SO ₂ C ₂ H ₅	H	SO ₂ C ₂ H ₅	OCH ₃	H
3308	SO ₂ C ₂ H ₅	H	H	H	OCH ₃
3309	SO ₂ C ₂ H ₅	SO ₂ C ₂ H ₅	H	H	OCH ₃
3310	SO ₂ C ₂ H ₅	H	SO ₂ C ₂ H ₅	H	OCH ₃
3311	SO ₂ C ₂ H ₅	H	H	SO ₂ C ₂ H ₅	OCH ₃
3312	SO ₂ C ₂ H ₅	SO ₂ CH ₃	SO ₂ C ₂ H ₅	H	OCH ₃
3313	SO ₂ C ₂ H ₅	SO ₂ CH ₃	H	SO ₂ C ₂ H ₅	OCH ₃
3314	SO ₂ C ₂ H ₅	H	SO ₂ C ₂ H ₅	SO ₂ C ₂ H ₅	OCH ₃

Table 3 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3315	SO ₂ C ₂ H ₅	OH	H	H	H
3316	SO ₂ C ₂ H ₅	OH	SO ₂ C ₂ H ₅	H	H
3317	SO ₂ C ₂ H ₅	OH	H	SO ₂ C ₂ H ₅	H
3318	SO ₂ C ₂ H ₅	OH	H	H	SO ₂ C ₂ H ₅
3319	SO ₂ C ₂ H ₅	OH	SO ₂ C ₂ H ₅	H	SO ₂ C ₂ H ₅
3320	SO ₂ C ₂ H ₅	H	OH	H	H
3321	SO ₂ C ₂ H ₅	SO ₂ C ₂ H ₅	OH	H	H
3322	SO ₂ C ₂ H ₅	H	OH	SO ₂ C ₂ H ₅	H
3323	SO ₂ C ₂ H ₅	H	OH	H	SO ₂ C ₂ H ₅
3324	SO ₂ C ₂ H ₅	SO ₂ C ₂ H ₅	OH	SO ₂ C ₂ H ₅	H
3325	SO ₂ C ₂ H ₅	SO ₂ C ₂ H ₅	OH	H	SO ₂ C ₂ H ₅
3326	SO ₂ C ₂ H ₅	H	H	OH	H
3327	SO ₂ C ₂ H ₅	H	SO ₂ C ₂ H ₅	OH	H
3328	SO ₂ C ₂ H ₅	H	H	H	OH
3329	SO ₂ C ₂ H ₅	SO ₂ C ₂ H ₅	H	H	OH
3330	SO ₂ C ₂ H ₅	H	SO ₂ C ₂ H ₅	H	OH
3331	SO ₂ C ₂ H ₅	H	H	SO ₂ C ₂ H ₅	OH
3332	SO ₂ C ₂ H ₅	SO ₂ C ₂ H ₅	SO ₂ C ₂ H ₅	H	OH
3333	SO ₂ C ₂ H ₅	SO ₂ C ₂ H ₅	H	SO ₂ C ₂ H ₅	OH
3334	SO ₂ C ₂ H ₅	H	SO ₂ C ₂ H ₅	SO ₂ C ₂ H ₅	OH

[Table 3] (Continued)

Table 3 (Continued)					
Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3335	SO ₂ ⁿ C ₃ H ₇	H	H	H	H
3336	SO ₂ ⁿ C ₃ H ₇	H	SO ₂ ⁿ C ₃ H ₇	H	H
3337	SO ₂ ⁿ C ₃ H ₇	H	H	H	SO ₂ ⁿ C ₃ H ₇
3338	SO ₂ ⁿ C ₃ H ₇	H	SO ₂ ⁿ C ₃ H ₇	H	SO ₂ ⁿ C ₃ H ₇
3339	SO ₂ ⁿ C ₃ H ₇	CH ₃	H	H	H
3340	SO ₂ ⁿ C ₃ H ₇	CH ₃	SO ₂ ⁿ C ₃ H ₇	H	H
3341	SO ₂ ⁿ C ₃ H ₇	CH ₃	H	H	SO ₂ ⁿ C ₃ H ₇
3342	SO ₂ ⁿ C ₃ H ₇	CH ₃	SO ₂ ⁿ C ₃ H ₇	H	SO ₂ ⁿ C ₃ H ₇
3343	SO ₂ ⁿ C ₃ H ₇	H	CH ₃	H	H
3344	SO ₂ ⁿ C ₃ H ₇	H	CH ₃	H	SO ₂ ⁿ C ₃ H ₇
3345	SO ₂ ⁿ C ₃ H ₇	H	H	CH ₃	H
3346	SO ₂ ⁿ C ₃ H ₇	H	SO ₂ ⁿ C ₃ H ₇	CH ₃	H
3347	SO ₂ ⁿ C ₃ H ₇	H	H	H	CH ₃
3348	SO ₂ ⁿ C ₃ H ₇	H	SO ₂ ⁿ C ₃ H ₇	H	CH ₃
3349	SO ₂ ⁿ C ₃ H ₇	C ₂ H ₅	H	H	H
3350	SO ₂ ⁿ C ₃ H ₇	C ₂ H ₅	SO ₂ ⁿ C ₃ H ₇	H	H
3351	SO ₂ ⁿ C ₃ H ₇	C ₂ H ₅	H	H	SO ₂ ⁿ C ₃ H ₇
3352	SO ₂ ⁿ C ₃ H ₇	C ₂ H ₅	SO ₂ ⁿ C ₃ H ₇	H	SO ₂ ⁿ C ₃ H ₇
3353	SO ₂ ⁿ C ₃ H ₇	H	C ₂ H ₅	H	H
3354	SO ₂ ⁿ C ₃ H ₇	H	C ₂ H ₅	H	SO ₂ ⁿ C ₃ H ₇

Table 31 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3355	SO ₂ ⁿ C ₆ H ₇	H	H	C ₂ H ₅	H
3356	SO ₂ ⁿ C ₆ H ₇	H	SO ₂ ⁿ C ₆ H ₇	C ₂ H ₅	H
3357	SO ₂ ⁿ C ₆ H ₇	H	H		C ₂ H ₅
3358	SO ₂ ⁿ C ₆ H ₇	H	SO ₂ ⁿ C ₆ H ₇	H	C ₂ H ₅
3359	SO ₂ ⁿ C ₆ H ₇	ⁿ C ₆ H ₇	H	H	H
3360	SO ₂ ⁿ C ₆ H ₇	ⁿ C ₆ H ₇	SO ₂ ⁿ C ₆ H ₇	H	H
3361	SO ₂ ⁿ C ₆ H ₇	ⁿ C ₆ H ₇	H	H	SO ₂ ⁿ C ₆ H ₇
3362	SO ₂ ⁿ C ₆ H ₇	ⁿ C ₆ H ₇	SO ₂ ⁿ C ₆ H ₇	H	SO ₂ ⁿ C ₆ H ₇
3363	SO ₂ ⁿ C ₆ H ₇	H	ⁿ C ₆ H ₇	H	H
3364	SO ₂ ⁿ C ₆ H ₇	H	ⁿ C ₆ H ₇	H	SO ₂ ⁿ C ₆ H ₇
3365	SO ₂ ⁿ C ₆ H ₇	H	H	ⁿ C ₆ H ₇	H
3366	SO ₂ ⁿ C ₆ H ₇	H	SO ₂ ⁿ C ₆ H ₇	ⁿ C ₆ H ₇	H
3367	SO ₂ ⁿ C ₆ H ₇	H	H		ⁿ C ₆ H ₇
3368	SO ₂ ⁿ C ₆ H ₇	H	SO ₂ ⁿ C ₆ H ₇	H	ⁿ C ₆ H ₇
3369	SO ₂ ⁿ C ₆ H ₇	H	^l C ₆ H ₇	H	H
3370	SO ₂ ⁿ C ₆ H ₇	^l C ₆ H ₇	SO ₂ ⁿ C ₆ H ₇	H	ⁿ C ₆ H ₇
3371	SO ₂ ⁿ C ₆ H ₇	^l C ₆ H ₇	H	H	SO ₂ ⁿ C ₆ H ₇
3372	SO ₂ ⁿ C ₆ H ₇	^l C ₆ H ₇	SO ₂ ⁿ C ₆ H ₇	H	SO ₂ ⁿ C ₆ H ₇
3373	SO ₂ ⁿ C ₆ H ₇	H	^l C ₆ H ₇	H	
3374	SO ₂ ⁿ C ₆ H ₇	H	^l C ₆ H ₇	H	SO ₂ ⁿ C ₆ H ₇

Table 31 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3375	SO ₂ ⁿ C ₆ H ₇	H	H	¹ C ₃ H ₇	H
3376	SO ₂ ⁿ C ₆ H ₇	H	SO ₂ ⁿ C ₆ H ₇	¹ C ₃ H ₇	H
3377	SO ₂ ⁿ C ₆ H ₇	H	H	H	¹ C ₃ H ₇
3378	SO ₂ ⁿ C ₆ H ₇	H	SO ₂ ⁿ C ₃ H ₇	H	¹ C ₃ H ₇
3379	SO ₂ ⁿ C ₆ H ₇	C ₁	H	H	H
3380	SO ₂ ⁿ C ₆ H ₇	C ₁	SO ₂ ⁿ C ₃ H ₇	H	H
3381	SO ₂ ⁿ C ₆ H ₇	C ₁	H	H	SO ₂ ⁿ C ₃ H ₇
3382	SO ₂ ⁿ C ₆ H ₇	C ₁	SO ₂ ⁿ C ₃ H ₇	H	SO ₂ ⁿ C ₃ H ₇
3383	SO ₂ ⁿ C ₆ H ₇	H	C ₁	H	H
3384	SO ₂ ⁿ C ₆ H ₇	H	C ₁	H	SO ₂ ⁿ C ₃ H ₇
3385	SO ₂ ⁿ C ₆ H ₇	H	H	C ₁	H
3386	SO ₂ ⁿ C ₆ H ₇	H	SO ₂ ⁿ C ₃ H ₇	C ₁	H
3387	SO ₂ ⁿ C ₆ H ₇	H	H	H	C ₁
3388	SO ₂ ⁿ C ₆ H ₇	H	SO ₂ ⁿ C ₃ H ₇	H	C ₁
3389	SO ₂ ⁿ C ₆ H ₇	C ₁ H ₃	H	H	H
3390	SO ₂ ⁿ C ₆ H ₇	C ₁ H ₃	C ₁ H ₃	H	SO ₂ ⁿ C ₃ H ₇
3391	SO ₂ ⁿ C ₆ H ₇	C ₁ H ₃	H	C ₁ H ₃	H
3392	SO ₂ ⁿ C ₆ H ₇	C ₁ H ₃	SO ₂ ⁿ C ₃ H ₇	C ₁ H ₃	SO ₂ ⁿ C ₃ H ₇
3393	SO ₂ ⁿ C ₆ H ₇	C ₁ H ₃	H	C ₁ H ₃	SO ₂ ⁿ C ₃ H ₇
3394	SO ₂ ⁿ C ₆ H ₇	C ₁ H ₃	SO ₂ ⁿ C ₃ H ₇	C ₁ H ₃	SO ₂ ⁿ C ₃ H ₇

Table 31 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3395	SO ₂ ⁿ C ₆ H ₇	CH ₃	H	H	CH ₃
3396	SO ₂ ⁿ C ₆ H ₇	CH ₃	SO ₂ ⁿ C ₆ H ₇	H	CH ₃
3397	SO ₂ ⁿ C ₆ H ₇	H	CH ₃	CH ₃	H
3398	SO ₂ ⁿ C ₆ H ₇	H	CH ₃	CH ₃	SO ₂ ⁿ C ₆ H ₇
3399	SO ₂ ⁿ C ₆ H ₇	H	CH ₃	H	CH ₃
3400	SO ₂ ⁿ C ₆ H ₇	H	H	CH ₃	CH ₃
3401	SO ₂ ⁿ C ₆ H ₇	H	SO ₂ ⁿ C ₆ H ₇	CH ₃	CH ₃
3402	SO ₂ ⁿ C ₆ H ₇	OC ₆ H ₅	H	H	H
3403	SO ₂ ⁿ C ₆ H ₇	OC ₆ H ₅	SO ₂ ⁿ C ₆ H ₇	H	H
3404	SO ₂ ⁿ C ₆ H ₇	OC ₆ H ₅	H	SO ₂ ⁿ C ₆ H ₇	CH ₃
3405	SO ₂ ⁿ C ₆ H ₇	OC ₆ H ₅	H	H	SO ₂ ⁿ C ₆ H ₇
3406	SO ₂ ⁿ C ₆ H ₇	OC ₆ H ₅	SO ₂ ⁿ C ₆ H ₇	H	H
3407	SO ₂ ⁿ C ₆ H ₇	H	OC ₆ H ₅	H	H
3408	SO ₂ ⁿ C ₆ H ₇	SO ₂ ⁿ C ₆ H ₇	OC ₆ H ₅	H	H
3409	SO ₂ ⁿ C ₆ H ₇	H	OC ₆ H ₅	SO ₂ ⁿ C ₆ H ₇	H
3410	SO ₂ ⁿ C ₆ H ₇	H	OC ₆ H ₅	H	SO ₂ ⁿ C ₆ H ₇
3411	SO ₂ ⁿ C ₆ H ₇	SO ₂ ⁿ C ₆ H ₇	OC ₆ H ₅	SO ₂ ⁿ C ₆ H ₇	H
3412	SO ₂ ⁿ C ₆ H ₇	SO ₂ ⁿ C ₆ H ₇	OC ₆ H ₅	H	SO ₂ ⁿ C ₆ H ₇
3413	SO ₂ ⁿ C ₆ H ₇	H	H	OC ₆ H ₅	H
3414	SO ₂ ⁿ C ₆ H ₇	H	SO ₂ ⁿ C ₆ H ₇	OC ₆ H ₅	H

Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3415	SO ₂ ⁿ C ₆ H ₇	H	H	H	0CH ₃
3416	SO ₂ ⁿ C ₆ H ₇	SO ₂ ⁿ C ₆ H ₇	H	H	0CH ₃
3417	SO ₂ ⁿ C ₆ H ₇	H	SO ₂ ⁿ C ₆ H ₇	H	0CH ₃
3418	SO ₂ ⁿ C ₆ H ₇	H	H	SO ₂ ⁿ C ₆ H ₇	0CH ₃
3419	SO ₂ ⁿ C ₆ H ₇	SO ₂ ⁿ C ₆ H ₇	SO ₂ ⁿ C ₆ H ₇	H	0CH ₃
3420	SO ₂ ⁿ C ₆ H ₇	SO ₂ ⁿ C ₆ H ₇	H	SO ₂ ⁿ C ₆ H ₇	0CH ₃
3421	SO ₂ ⁿ C ₆ H ₇	H	SO ₂ ⁿ C ₆ H ₇	SO ₂ ⁿ C ₆ H ₇	0CH ₃
3422	SO ₂ ⁿ C ₆ H ₇	OH	H	H	H
3423	SO ₂ ⁿ C ₆ H ₇	OH	SO ₂ ⁿ C ₆ H ₇	H	H
3424	SO ₂ ⁿ C ₆ H ₇	OH	H	SO ₂ ⁿ C ₆ H ₇	H
3425	SO ₂ ⁿ C ₆ H ₇	OH	H	H	SO ₂ ⁿ C ₆ H ₇
3426	SO ₂ ⁿ C ₆ H ₇	OH	SO ₂ ⁿ C ₆ H ₇	H	SO ₂ ⁿ C ₆ H ₇
3427	SO ₂ ⁿ C ₆ H ₇	H	OH	H	H
3428	SO ₂ ⁿ C ₆ H ₇	SO ₂ ⁿ C ₆ H ₇	OH	H	H
3429	SO ₂ ⁿ C ₆ H ₇	H	OH	SO ₂ ⁿ C ₆ H ₇	H
3430	SO ₂ ⁿ C ₆ H ₇	H	OH	H	SO ₂ ⁿ C ₆ H ₇
3431	SO ₂ ⁿ C ₆ H ₇	SO ₂ ⁿ C ₆ H ₇	OH	SO ₂ ⁿ C ₆ H ₇	H
3432	SO ₂ ⁿ C ₆ H ₇	SO ₂ ⁿ C ₆ H ₇	OH	H	SO ₂ ⁿ C ₆ H ₇
3433	SO ₂ ⁿ C ₆ H ₇	H	H	OH	H
3434	SO ₂ ⁿ C ₆ H ₇	H	SO ₂ ⁿ C ₆ H ₇	OH	H

Table 31 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3435	SO ₂ ⁿ C ₃ H ₇	H	H	H	OH
3436	SO ₂ ⁿ C ₃ H ₇	SO ₂ ⁿ C ₃ H ₇	H	H	OH
3437	SO ₂ ⁿ C ₃ H ₇	H	SO ₂ ⁿ C ₃ H ₇	H	OH
3438	SO ₂ ⁿ C ₃ H ₇	H	H	SO ₂ ⁿ C ₃ H ₇	OH
3439	SO ₂ ⁿ C ₃ H ₇	SO ₂ ⁿ C ₃ H ₇	SO ₂ ⁿ C ₃ H ₇	H	OH
3440	SO ₂ ⁿ C ₃ H ₇	SO ₂ ⁿ C ₃ H ₇	H	SO ₂ ⁿ C ₃ H ₇	OH
3441	SO ₂ ⁿ C ₃ H ₇	H	SO ₂ ⁿ C ₃ H ₇	SO ₂ ⁿ C ₃ H ₇	OH
3442	SO ₂ ⁱ C ₃ H ₇	H	H	H	H
3443	SO ₂ ⁱ C ₃ H ₇	H	SO ₂ ⁱ C ₃ H ₇	H	H
3444	SO ₂ ⁱ C ₃ H ₇	H	H	H	SO ₂ ⁱ C ₃ H ₇
3445	SO ₂ ⁱ C ₃ H ₇	H	SO ₂ ⁱ C ₃ H ₇	H	SO ₂ ⁱ C ₃ H ₇
3446	SO ₂ ⁱ C ₃ H ₇	CH ₃	H	H	H
3447	SO ₂ ⁱ C ₃ H ₇	CH ₃	SO ₂ ⁱ C ₃ H ₇	H	SO ₂ ⁱ C ₃ H ₇
3448	SO ₂ ⁱ C ₃ H ₇	CH ₃	H	H	SO ₂ ⁱ C ₃ H ₇
3449	SO ₂ ⁱ C ₃ H ₇	CH ₃	SO ₂ ⁱ C ₃ H ₇	H	SO ₂ ⁱ C ₃ H ₇
3450	SO ₂ ⁱ C ₃ H ₇	H	CH ₃	H	H
3451	SO ₂ ⁱ C ₃ H ₇	H	CH ₃	H	SO ₂ ⁱ C ₃ H ₇
3452	SO ₂ ⁱ C ₃ H ₇	H	H	CH ₃	H
3453	SO ₂ ⁱ C ₃ H ₇	H	SO ₂ ⁱ C ₃ H ₇	CH ₃	H
3454	SO ₂ ⁱ C ₃ H ₇	H	H	H	CH ₃

【Table 3】(Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3455	SO ₂ ¹ C ₃ H ₇	H	SO ₂ ² C ₃ H ₇	H	CH ₃
3456	SO ₂ ¹ C ₃ H ₇	C ₂ H ₅	H	H	H
3457	SO ₂ ¹ C ₃ H ₇	C ₂ H ₅	SO ₂ ² C ₃ H ₇	H	H
3458	SO ₂ ¹ C ₃ H ₇	C ₂ H ₅	H	H	SO ₂ ¹ C ₃ H ₇
3459	SO ₂ ¹ C ₃ H ₇	C ₂ H ₅	SO ₂ ¹ C ₃ H ₇	H	SO ₂ ¹ C ₃ H ₇
3460	SO ₂ ¹ C ₃ H ₇	H	C ₂ H ₅	H	H
3461	SO ₂ ¹ C ₃ H ₇	H	C ₂ H ₅	H	SO ₂ ¹ C ₃ H ₇
3462	SO ₂ ¹ C ₃ H ₇	H	H	C ₂ H ₅	H
3463	SO ₂ ¹ C ₃ H ₇	H	SO ₂ ² C ₃ H ₇	C ₂ H ₅	H
3464	SO ₂ ¹ C ₃ H ₇	H	H	H	C ₂ H ₅
3465	SO ₂ ¹ C ₃ H ₇	H	SO ₂ ² C ₃ H ₇	H	C ₂ H ₅
3466	SO ₂ ¹ C ₃ H ₇	¹ C ₃ H ₇	H	H	H
3467	SO ₂ ¹ C ₃ H ₇	¹ C ₃ H ₇	SO ₂ ² C ₃ H ₇	H	H
3468	SO ₂ ¹ C ₃ H ₇	¹ C ₃ H ₇	H	H	SO ₂ ¹ C ₃ H ₇
3469	SO ₂ ¹ C ₃ H ₇	¹ C ₃ H ₇	SO ₂ ² C ₃ H ₇	H	SO ₂ ¹ C ₃ H ₇
3470	SO ₂ ¹ C ₃ H ₇	H	¹ C ₃ H ₇	H	H
3471	SO ₂ ¹ C ₃ H ₇	H	¹ C ₃ H ₇	H	SO ₂ ¹ C ₃ H ₇
3472	SO ₂ ¹ C ₃ H ₇	H	H	¹ C ₃ H ₇	H
3473	SO ₂ ¹ C ₃ H ₇	H	SO ₂ ² C ₃ H ₇	¹ C ₃ H ₇	H
3474	SO ₂ ¹ C ₃ H ₇	H	H	H	¹ C ₃ H ₇

Table 31 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3475	SO ₂ ⁱ C ₆ H ₇	H	SO ₂ ⁱ C ₆ H ₇	H	SO ₂ ⁱ C ₆ H ₇
3476	SO ₂ ⁱ C ₆ H ₇	ⁱ C ₆ H ₇	H	H	H
3477	SO ₂ ⁱ C ₆ H ₇	SO ₂ ⁱ C ₆ H ₇	SO ₂ ⁱ C ₆ H ₇	H	H
3478	SO ₂ ⁱ C ₆ H ₇	ⁱ C ₆ H ₇	H	H	SO ₂ ⁱ C ₆ H ₇
3479	SO ₂ ⁱ C ₆ H ₇	ⁱ C ₆ H ₇	SO ₂ ⁱ C ₆ H ₇	H	SO ₂ ⁱ C ₆ H ₇
3480	SO ₂ ⁱ C ₆ H ₇	H	ⁱ C ₆ H ₇	H	H
3481	SO ₂ ⁱ C ₆ H ₇	H	ⁱ C ₆ H ₇	H	SO ₂ ⁱ C ₆ H ₇
3482	SO ₂ ⁱ C ₆ H ₇	H	H	ⁱ C ₆ H ₇	H
3483	SO ₂ ⁱ C ₆ H ₇	H	SO ₂ ⁱ C ₆ H ₇	ⁱ C ₆ H ₇	H
3484	SO ₂ ⁱ C ₆ H ₇	H	H	ⁱ C ₆ H ₇	ⁱ C ₆ H ₇
3485	SO ₂ ⁱ C ₆ H ₇	H	SO ₂ ⁱ C ₆ H ₇	H	ⁱ C ₆ H ₇
3486	SO ₂ ⁱ C ₆ H ₇	C1	H	H	H
3487	SO ₂ ⁱ C ₆ H ₇	C1	SO ₂ ⁱ C ₆ H ₇	H	ⁱ C ₆ H ₇
3488	SO ₂ ⁱ C ₆ H ₇	C1	H	H	SO ₂ ⁱ C ₆ H ₇
3489	SO ₂ ⁱ C ₆ H ₇	C1	SO ₂ ⁱ C ₆ H ₇	H	SO ₂ ⁱ C ₆ H ₇
3490	SO ₂ ⁱ C ₆ H ₇	H	C1	H	H
3491	SO ₂ ⁱ C ₆ H ₇	H	C1	H	SO ₂ ⁱ C ₆ H ₇
3492	SO ₂ ⁱ C ₆ H ₇	H	H	C1	H
3493	SO ₂ ⁱ C ₆ H ₇	H	SO ₂ ⁱ C ₆ H ₇	C1	H
3494	SO ₂ ⁱ C ₆ H ₇	H	H	H	C1

Table 31 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3495	SO ₂ ¹ C ₆ H ₇	H	SO ₂ ¹ C ₆ H ₇	H	H
3496	SO ₂ ¹ C ₆ H ₇	CH ₃	CH ₃	H	H
3497	SO ₂ ¹ C ₆ H ₇	CH ₃	CH ₃	H	SO ₂ ¹ C ₆ H ₇
3498	SO ₂ ¹ C ₆ H ₇	CH ₃	H	CH ₃	H
3499	SO ₂ ¹ C ₆ H ₇	CH ₃	SO ₂ ¹ C ₆ H ₇	CH ₃	H
3500	SO ₂ ¹ C ₆ H ₇	CH ₃	H	CH ₃	SO ₂ ¹ C ₆ H ₇
3501	SO ₂ ¹ C ₆ H ₇	CH ₃	SO ₂ ¹ C ₆ H ₇	CH ₃	SO ₂ ¹ C ₆ H ₇
3502	SO ₂ ¹ C ₆ H ₇	CH ₃	H	H	CH ₃
3503	SO ₂ ¹ C ₆ H ₇	CH ₃	SO ₂ ¹ C ₆ H ₇	H	CH ₃
3504	SO ₂ ¹ C ₆ H ₇	H	CH ₃	CH ₃	H
3505	SO ₂ ¹ C ₆ H ₇	H	CH ₃	CH ₃	SO ₂ ¹ C ₆ H ₇
3506	SO ₂ ¹ C ₆ H ₇	H	CH ₃	H	CH ₃
3507	SO ₂ ¹ C ₆ H ₇	H	H	CH ₃	CH ₃
3508	SO ₂ ¹ C ₆ H ₇	H	SO ₂ ¹ C ₆ H ₇	CH ₃	CH ₃
3509	SO ₂ ¹ C ₆ H ₇	OCH ₃	H	H	H
3510	SO ₂ ¹ C ₆ H ₇	OCH ₃	SO ₂ ¹ C ₆ H ₇	H	H
3511	SO ₂ ¹ C ₆ H ₇	OCH ₃	H	SO ₂ ¹ C ₆ H ₇	H
3512	SO ₂ ¹ C ₆ H ₇	OCH ₃	H	H	SO ₂ ¹ C ₆ H ₇
3513	SO ₂ ¹ C ₆ H ₇	OCH ₃	SO ₂ ¹ C ₆ H ₇	H	SO ₂ ¹ C ₆ H ₇
3514	SO ₂ ¹ C ₆ H ₇	H	OCH ₃	H	H

Table 3 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3515	SO ₂ ⁱ C ₆ H ₇	SO ₂ ⁱ C ₆ H ₇	OCH ₃	H	H
3516	SO ₂ ⁱ C ₆ H ₇	H	OCH ₃	SO ₂ ⁱ C ₆ H ₇	H
3517	SO ₂ ⁱ C ₆ H ₇	H	OCH ₃	H	SO ₂ ⁱ C ₆ H ₇
3518	SO ₂ ⁱ C ₆ H ₇	SO ₂ ⁱ C ₆ H ₇	OCH ₃	SO ₂ ⁱ C ₆ H ₇	H
3519	SO ₂ ⁱ C ₆ H ₇	SO ₂ ⁱ C ₆ H ₇	OCH ₃	H	SO ₂ ⁱ C ₆ H ₇
3520	SO ₂ ⁱ C ₆ H ₇	H	H	OCH ₃	H
3521	SO ₂ ⁱ C ₆ H ₇	H	SO ₂ ⁱ C ₆ H ₇	OCH ₃	H
3522	SO ₂ ⁱ C ₆ H ₇	H	H	H	OCH ₃
3523	SO ₂ ⁱ C ₆ H ₇	SO ₂ ⁱ C ₆ H ₇	H	H	OCH ₃
3524	SO ₂ ⁱ C ₆ H ₇	H	SO ₂ ⁱ C ₆ H ₇	H	OCH ₃
3525	SO ₂ ⁱ C ₆ H ₇	H	H	H	OCH ₃
3526	SO ₂ ⁱ C ₆ H ₇	SO ₂ ⁱ C ₆ H ₇	SO ₂ ⁱ C ₆ H ₇	H	OCH ₃
3527	SO ₂ ⁱ C ₆ H ₇	SO ₂ ⁱ C ₆ H ₇	H	SO ₂ ⁱ C ₆ H ₇	OCH ₃
3528	SO ₂ ⁱ C ₆ H ₇	H	SO ₂ ⁱ C ₆ H ₇	SO ₂ ⁱ C ₆ H ₇	OCH ₃
3529	SO ₂ ⁱ C ₆ H ₇	OH	H	H	OCH ₃
3530	SO ₂ ⁱ C ₆ H ₇	OH	SO ₂ ⁱ C ₆ H ₇	H	H
3531	SO ₂ ⁱ C ₆ H ₇	OH	H	SO ₂ ⁱ C ₆ H ₇	H
3532	SO ₂ ⁱ C ₆ H ₇	OH	H	H	SO ₂ ⁱ C ₆ H ₇
3533	SO ₂ ⁱ C ₆ H ₇	OH	SO ₂ ⁱ C ₆ H ₇	H	SO ₂ ⁱ C ₆ H ₇
3534	SO ₂ ⁱ C ₆ H ₇	H	OH	H	H

Table 31 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3535	SO ₂ ¹ C ₆ H ₇	SO ₂ ¹ C ₆ H ₇	OH	H	H
3536	SO ₂ ¹ C ₆ H ₇	H	OH	SO ₂ ¹ C ₆ H ₇	H
3537	SO ₂ ¹ C ₆ H ₇	H	OH	H	SO ₂ ¹ C ₆ H ₇
3538	SO ₂ ¹ C ₆ H ₇	SO ₂ ¹ C ₆ H ₇	OH	SO ₂ ¹ C ₆ H ₇	H
3539	SO ₂ ¹ C ₆ H ₇	SO ₂ ¹ C ₆ H ₇	OH	H	SO ₂ ¹ C ₆ H ₇
3540	SO ₂ ¹ C ₆ H ₇	H	H	OH	H
3541	SO ₂ ¹ C ₆ H ₇	H	SO ₂ ¹ C ₆ H ₇	OH	H
3542	SO ₂ ¹ C ₆ H ₇	H	H	H	OH
3543	SO ₂ ¹ C ₆ H ₇	SO ₂ ¹ C ₆ H ₇	H	H	OH
3544	SO ₂ ¹ C ₆ H ₇	H	SO ₂ ¹ C ₆ H ₇	H	OH
3545	SO ₂ ¹ C ₆ H ₇	H	H	SO ₂ ¹ C ₆ H ₇	OH
3546	SO ₂ ¹ C ₆ H ₇	SO ₂ ¹ C ₆ H ₇	SO ₂ ¹ C ₆ H ₇	H	OH
3547	SO ₂ ¹ C ₆ H ₇	SO ₂ ¹ C ₆ H ₇	H	SO ₂ ¹ C ₆ H ₇	OH
3548	SO ₂ ¹ C ₆ H ₇	H	SO ₂ ¹ C ₆ H ₇	SO ₂ ¹ C ₆ H ₇	OH
3549	SO ₂ ¹ C ₆ H ₉	H	H	H	OH
3550	SO ₂ ¹ C ₆ H ₉	H	SO ₂ ¹ C ₆ H ₉	H	OH
3551	SO ₂ ⁿ C ₆ H ₉	H	H	SO ₂ ⁿ C ₆ H ₉	OH
3552	SO ₂ ⁿ C ₆ H ₉	H	SO ₂ ⁿ C ₆ H ₉	H	SO ₂ ⁿ C ₆ H ₉
3553	SO ₂ ⁿ C ₆ H ₉	CH ₃	H	H	H
3554	SO ₂ ⁿ C ₆ H ₉	CH ₃	SO ₂ ⁿ C ₆ H ₉	H	H

Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3555	SO ₂ ⁿ C ₆ H ₉	CH ₃	H	H	SO ₂ ⁿ C ₆ H ₉
3556	SO ₂ ⁿ C ₆ H ₉	CH ₃	SO ₂ ⁿ C ₆ H ₉	H	SO ₂ ⁿ C ₆ H ₉
3557	SO ₂ ⁿ C ₆ H ₉	H	CH ₃	H	H
3558	SO ₂ ⁿ C ₆ H ₉	H	CH ₃	H	SO ₂ ⁿ C ₆ H ₉
3559	SO ₂ ⁿ C ₆ H ₉	H	H	CH ₃	H
3560	SO ₂ ⁿ C ₆ H ₉	H	SO ₂ ⁿ C ₆ H ₉	CH ₃	H
3561	SO ₂ ⁿ C ₆ H ₉	H	H	H	CH ₃
3562	SO ₂ ⁿ C ₆ H ₉	H	SO ₂ ⁿ C ₆ H ₉	H	CH ₃
3563	SO ₂ ⁿ C ₆ H ₉	C ₂ H ₅	H	H	H
3564	SO ₂ ⁿ C ₆ H ₉	C ₂ H ₅	SO ₂ ⁿ C ₆ H ₉	H	H
3565	SO ₂ ⁿ C ₆ H ₉	C ₂ H ₅	H	H	SO ₂ ⁿ C ₆ H ₉
3566	SO ₂ ⁿ C ₆ H ₉	C ₂ H ₆	SO ₂ ⁿ C ₆ H ₉	H	SO ₂ ⁿ C ₆ H ₉
3567	SO ₂ ⁿ C ₆ H ₉	H	C ₂ H ₅	H	H
3568	SO ₂ ⁿ C ₆ H ₉	H	C ₂ H ₅	H	SO ₂ ⁿ C ₆ H ₉
3569	SO ₂ ⁿ C ₆ H ₉	H	H	C ₂ H ₅	H
3570	SO ₂ ⁿ C ₆ H ₉	H	SO ₂ ⁿ C ₆ H ₉	C ₂ H ₅	H
3571	SO ₂ ⁿ C ₆ H ₉	H	H	H	C ₂ H ₅
3572	SO ₂ ⁿ C ₆ H ₉	H	SO ₂ ⁿ C ₆ H ₉	H	C ₂ H ₅
3573	SO ₂ ⁿ C ₆ H ₉	C ₃ H ₇	H	H	H
3574	SO ₂ ⁿ C ₆ H ₉	C ₃ H ₇	SO ₂ ⁿ C ₆ H ₉	H	H

Table 31 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3575	SO ₂ ⁿ C ₄ H ₉	ⁿ C ₆ H ₇	H	H	SO ₂ ⁿ C ₄ H ₉
3576	SO ₂ ⁿ C ₄ H ₉	ⁿ C ₃ H ₇	SO ₂ ⁿ C ₃ H ₉	H	SO ₂ ⁿ C ₄ H ₉
3577	SO ₂ ⁿ C ₄ H ₉	H	ⁿ C ₃ H ₇	H	H
3578	SO ₂ ⁿ C ₄ H ₉	H	ⁿ C ₃ H ₇	H	SO ₂ ⁿ C ₄ H ₉
3579	SO ₂ ⁿ C ₄ H ₉	H	H	ⁿ C ₆ H ₇	H
3580	SO ₂ ⁿ C ₄ H ₉	H	SO ₂ ⁿ C ₄ H ₉	ⁿ C ₃ H ₇	H
3581	SO ₂ ⁿ C ₄ H ₉	H	H	H	ⁿ C ₃ H ₇
3582	SO ₂ ⁿ C ₄ H ₉	H	SO ₂ ⁿ C ₄ H ₉	H	ⁿ C ₃ H ₇
3583	SO ₂ ⁿ C ₄ H ₉	^l C ₆ H ₇	H	H	H
3584	SO ₂ ⁿ C ₄ H ₉	^l C ₃ H ₇	SO ₂ ⁿ C ₃ H ₉	H	H
3585	SO ₂ ⁿ C ₄ H ₉	^l C ₃ H ₇	H	H	SO ₂ ⁿ C ₄ H ₉
3586	SO ₂ ⁿ C ₄ H ₉	^l C ₆ H ₇	SO ₂ ⁿ C ₆ H ₉	H	SO ₂ ⁿ C ₄ H ₉
3587	SO ₂ ⁿ C ₄ H ₉	H	^l C ₃ H ₇	H	H
3588	SO ₂ ⁿ C ₄ H ₉	H	^l C ₃ H ₇	H	SO ₂ ⁿ C ₄ H ₉
3589	SO ₂ ⁿ C ₄ H ₉	H	H	^l C ₆ H ₇	H
3590	SO ₂ ⁿ C ₄ H ₉	H	SO ₂ ⁿ C ₄ H ₉	^l C ₆ H ₇	H
3591	SO ₂ ⁿ C ₄ H ₉	H	^l C ₃ H ₇	H	^l C ₃ H ₇
3592	SO ₂ ⁿ C ₄ H ₉	H	SO ₂ ⁿ C ₄ H ₉	H	^l C ₆ H ₇
3593	SO ₂ ⁿ C ₄ H ₉	C ₁	H	H	H
3594	SO ₂ ⁿ C ₄ H ₉	C ₁	SO ₂ ⁿ C ₄ H ₉	H	H

Table 3 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3595	SO ₂ ⁿ C ₄ H ₉	Cl	H	H	SO ₂ ⁿ C ₄ H ₉
3596	SO ₂ ⁿ C ₄ H ₉	Cl	SO ₂ ⁿ C ₄ H ₉	H	SO ₂ ⁿ C ₄ H ₉
3597	SO ₂ ⁿ C ₄ H ₉	H	Cl	H	H
3598	SO ₂ ⁿ C ₄ H ₉	H	Cl	H	SO ₂ ⁿ C ₄ H ₉
3599	SO ₂ ⁿ C ₄ H ₉	H	H	Cl	H
3600	SO ₂ ⁿ C ₄ H ₉	H	SO ₂ ⁿ C ₄ H ₉	Cl	H
3601	SO ₂ ⁿ C ₄ H ₉	H	H	H	Cl
3602	SO ₂ ⁿ C ₄ H ₉	H	SO ₂ ⁿ C ₄ H ₉	H	Cl
3603	SO ₂ ⁿ C ₄ H ₉	CH ₃	CH ₃	H	H
3604	SO ₂ ⁿ C ₄ H ₉	CH ₃	CH ₃	H	SO ₂ ⁿ C ₄ H ₉
3605	SO ₂ ⁿ C ₄ H ₉	CH ₃	H	CH ₃	H
3606	SO ₂ ⁿ C ₄ H ₉	CH ₃	SO ₂ ⁿ C ₄ H ₉	CH ₃	H
3607	SO ₂ ⁿ C ₄ H ₉	CH ₃	H	CH ₃	SO ₂ ⁿ C ₄ H ₉
3608	SO ₂ ⁿ C ₄ H ₉	CH ₃	SO ₂ ⁿ C ₄ H ₉	CH ₃	SO ₂ ⁿ C ₄ H ₉
3609	SO ₂ ⁿ C ₄ H ₉	CH ₃	H	H	CH ₃
3610	SO ₂ ⁿ C ₄ H ₉	CH ₃	SO ₂ ⁿ C ₄ H ₉	H	CH ₃
3611	SO ₂ ⁿ C ₄ H ₉	H	CH ₃	CH ₃	H
3612	SO ₂ ⁿ C ₄ H ₉	H	CH ₃	CH ₃	SO ₂ ⁿ C ₄ H ₉
3613	SO ₂ ⁿ C ₄ H ₉	H	CH ₃	H	CH ₃
3614	SO ₂ ⁿ C ₄ H ₉	H	H	CH ₃	CH ₃

Table 3 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3615	SO ₂ ⁿ C ₆ H ₅	H	SO ₂ ⁿ C ₆ H ₅	CH ₃	CH ₃
3616	SO ₂ ⁿ C ₆ H ₉	OC ₂ H ₅	H	H	H
3617	SO ₂ ⁿ C ₆ H ₉	OC ₂ H ₅	SO ₂ ⁿ C ₆ H ₉	H	H
3618	SO ₂ ⁿ C ₆ H ₉	OC ₂ H ₅	H	SO ₂ ⁿ C ₆ H ₉	H
3619	SO ₂ ⁿ C ₆ H ₉	OC ₂ H ₅	H	H	SO ₂ ⁿ C ₆ H ₉
3620	SO ₂ ⁿ C ₆ H ₉	OC ₂ H ₅	SO ₂ ⁿ C ₆ H ₉	H	SO ₂ ⁿ C ₆ H ₉
3621	SO ₂ ⁿ C ₆ H ₉	H	OC ₂ H ₅	H	H
3622	SO ₂ ⁿ C ₆ H ₉	SO ₂ ⁿ C ₆ H ₉	OC ₂ H ₅	H	H
3623	SO ₂ ⁿ C ₆ H ₉	H	OC ₂ H ₅	SO ₂ ⁿ C ₆ H ₉	H
3624	SO ₂ ⁿ C ₆ H ₉	H	OC ₂ H ₅	H	SO ₂ ⁿ C ₆ H ₉
3625	SO ₂ ⁿ C ₆ H ₉	SO ₂ ⁿ C ₆ H ₉	OC ₂ H ₅	SO ₂ ⁿ C ₆ H ₉	H
3626	SO ₂ ⁿ C ₆ H ₉	SO ₂ ⁿ C ₆ H ₉	OC ₂ H ₅	H	SO ₂ ⁿ C ₆ H ₉
3627	SO ₂ ⁿ C ₆ H ₉	H	H	OC ₂ H ₅	H
3628	SO ₂ ⁿ C ₆ H ₉	H	SO ₂ ⁿ C ₆ H ₉	OC ₂ H ₅	H
3629	SO ₂ ⁿ C ₆ H ₉	H	H	H	OC ₂ H ₅
3630	SO ₂ ⁿ C ₆ H ₉	SO ₂ ⁿ C ₆ H ₉	H	H	OC ₂ H ₅
3631	SO ₂ ⁿ C ₆ H ₉	H	SO ₂ ⁿ C ₆ H ₉	H	OC ₂ H ₅
3632	SO ₂ ⁿ C ₆ H ₉	H	H	SO ₂ ⁿ C ₆ H ₉	OC ₂ H ₅
3633	SO ₂ ⁿ C ₆ H ₉	SO ₂ ⁿ C ₆ H ₉	SO ₂ ⁿ C ₆ H ₉	H	OC ₂ H ₅
3634	SO ₂ ⁿ C ₆ H ₉	SO ₂ ⁿ C ₆ H ₉	H	SO ₂ ⁿ C ₆ H ₉	OC ₂ H ₅

Table 3 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3635	SO ₂ ⁿ C ₆ H ₅	H	SO ₂ ⁿ C ₄ H ₉	SO ₂ ⁿ C ₄ H ₉	OCH ₃
3636	SO ₂ ⁿ C ₆ H ₅	OH	H	H	H
3637	SO ₂ ⁿ C ₆ H ₅	OH	SO ₂ ⁿ C ₄ H ₉	H	H
3638	SO ₂ ⁿ C ₆ H ₅	OH	H	SO ₂ ⁿ C ₄ H ₉	H
3639	SO ₂ ⁿ C ₆ H ₅	OH	H	H	SO ₂ ⁿ C ₄ H ₉
3640	SO ₂ ⁿ C ₆ H ₅	OH	SO ₂ ⁿ C ₄ H ₉	H	SO ₂ ⁿ C ₄ H ₉
3641	SO ₂ ⁿ C ₆ H ₅	H	OH	H	H
3642	SO ₂ ⁿ C ₆ H ₅	SO ₂ ⁿ C ₆ H ₅	OH	H	H
3643	SO ₂ ⁿ C ₆ H ₅	H	OH	SO ₂ ⁿ C ₄ H ₉	H
3644	SO ₂ ⁿ C ₆ H ₅	H	OH	H	SO ₂ ⁿ C ₄ H ₉
3645	SO ₂ ⁿ C ₆ H ₅	SO ₂ ⁿ C ₆ H ₅	OH	SO ₂ ⁿ C ₄ H ₉	H
3646	SO ₂ ⁿ C ₆ H ₅	SO ₂ ⁿ C ₄ H ₉	OH	H	SO ₂ ⁿ C ₄ H ₉
3647	SO ₂ ⁿ C ₆ H ₅	H	H	OH	H
3648	SO ₂ ⁿ C ₆ H ₅	H	SO ₂ ⁿ C ₄ H ₉	OH	H
3649	SO ₂ ⁿ C ₆ H ₅	H	H	H	OH
3650	SO ₂ ⁿ C ₆ H ₅	SO ₂ ⁿ C ₄ H ₉	H	H	OH
3651	SO ₂ ⁿ C ₆ H ₅	H	SO ₂ ⁿ C ₄ H ₉	H	OH
3652	SO ₂ ⁿ C ₆ H ₅	H	H	SO ₂ ⁿ C ₄ H ₉	OH
3653	SO ₂ ⁿ C ₆ H ₅	SO ₂ ⁿ C ₄ H ₉	SO ₂ ⁿ C ₄ H ₉	H	OH
3654	SO ₂ ⁿ C ₆ H ₅	SO ₂ ⁿ C ₄ H ₉	H	SO ₂ ⁿ C ₄ H ₉	OH

Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3655	SO ₂ ⁿ C ₆ H ₆	H	SO ₂ ⁿ C ₄ H ₉	SO ₂ ⁿ C ₄ H ₉	OH
3656	SO ₂ (VINYL)	H	H	H	H
3657	SO ₂ (VINYL)	H	SO ₂ (VINYL)	H	H
3658	SO ₂ (VINYL)	H	H	H	SO ₂ (VINYL)
3659	SO ₂ (VINYL)	H	SO ₂ CH ₃	H	SO ₂ (VINYL)
3660	SO ₂ (VINYL)	CH ₃	H	H	H
3661	SO ₂ (VINYL)	CH ₃	SO ₂ (VINYL)	H	H
3662	SO ₂ (VINYL)	CH ₃	H	H	SO ₂ CH ₃
3663	SO ₂ (VINYL)	CH ₃	SO ₂ (VINYL)	H	SO ₂ (VINYL)
3664	SO ₂ (VINYL)	H	CH ₃	H	H
3665	SO ₂ (VINYL)	H	CH ₃	H	SO ₂ (VINYL)
3666	SO ₂ (VINYL)	H	H	CH ₃	H
3667	SO ₂ (VINYL)	H	SO ₂ CH ₃	CH ₃	H
3668	SO ₂ (VINYL)	H	H	H	CH ₃
3669	SO ₂ (VINYL)	H	SO ₂ (VINYL)	H	CH ₃
3670	SO ₂ (VINYL)	C ₂ H ₅	H	H	H
3671	SO ₂ (VINYL)	C ₂ H ₅	SO ₂ (VINYL)	H	H
3672	SO ₂ (VINYL)	C ₂ H ₅	H	H	SO ₂ (VINYL)
3673	SO ₂ (VINYL)	C ₂ H ₅	SO ₂ CH ₃	H	SO ₂ (VINYL)
3674	SO ₂ (VINYL)	H	C ₂ H ₅	H	H

Table 31 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3675	SO ₂ (VINYL)	H	C ₂ H ₅	H	SO ₂ (VINYL)
3676	SO ₂ (VINYL)	H	H	C ₂ H ₅	H
3677	SO ₂ (VINYL)	H	SO ₂ (VINYL)	C ₂ H ₅	H
3678	SO ₂ (VINYL)	H	H	C ₂ H ₅	C ₂ H ₅
3679	SO ₂ (VINYL)	H	SO ₂ (VINYL)	H	C ₂ H ₅
3680	SO ₂ (VINYL)	ⁿ C ₃ H ₇	H	H	H
3681	SO ₂ (VINYL)	ⁿ C ₃ H ₇	SO ₂ (VINYL)	H	H
3682	SO ₂ (VINYL)	ⁿ C ₃ H ₇	H	H	SO ₂ (VINYL)
3683	SO ₂ (VINYL)	ⁿ C ₃ H ₇	SO ₂ (VINYL)	H	SO ₂ (VINYL)
3684	SO ₂ (VINYL)	H	ⁿ C ₃ H ₇	H	H
3685	SO ₂ (VINYL)	H	ⁿ C ₃ H ₇	H	SO ₂ (VINYL)
3686	SO ₂ (VINYL)	H	H	ⁿ C ₃ H ₇	H
3687	SO ₂ (VINYL)	H	SO ₂ (VINYL)	ⁿ C ₃ H ₇	H
3688	SO ₂ (VINYL)	H	H	H	ⁿ C ₃ H ₇
3689	SO ₂ (VINYL)	H	SO ₂ (VINYL)	H	ⁿ C ₃ H ₇
3690	SO ₂ (VINYL)	ⁱ C ₃ H ₇	H	H	H
3691	SO ₂ (VINYL)	ⁱ C ₃ H ₇	SO ₂ (VINYL)	H	H
3692	SO ₂ (VINYL)	ⁱ C ₃ H ₇	H	H	SO ₂ (VINYL)
3693	SO ₂ (VINYL)	ⁱ C ₃ H ₇	SO ₂ (VINYL)	H	SO ₂ (VINYL)
3694	SO ₂ (VINYL)	H	ⁱ C ₃ H ₇	H	H

Table 3 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3695	SO ₂ (VINYL)	H	ⁱ C ₆ H ₇	H	SO ₂ (VINYL)
3696	SO ₂ (VINYL)	H	H	ⁱ C ₆ H ₇	H
3697	SO ₂ (VINYL)	H	SO ₂ (VINYL)	ⁱ C ₆ H ₇	H
3698	SO ₂ (VINYL)	H	H	H	ⁱ C ₆ H ₇
3699	SO ₂ (VINYL)	H	SO ₂ Cl ₅	H	ⁱ C ₆ H ₇
3700	SO ₂ (VINYL)	C ₁	H	H	H
3701	SO ₂ (VINYL)	C ₁	SO ₂ (VINYL)	H	H
3702	SO ₂ (VINYL)	C ₁	H	H	SO ₂ (VINYL)
3703	SO ₂ (VINYL)	C ₁	SO ₂ (VINYL)	H	SO ₂ (VINYL)
3704	SO ₂ (VINYL)	H	C ₁	H	H
3705	SO ₂ (VINYL)	H	C ₁	H	SO ₂ (VINYL)
3706	SO ₂ (VINYL)	H	H	C ₁	H
3707	SO ₂ (VINYL)	H	SO ₂ (VINYL)	C ₁	H
3708	SO ₂ (VINYL)	H	H	H	C ₁
3709	SO ₂ (VINYL)	H	SO ₂ (VINYL)	H	C ₁
3710	SO ₂ (VINYL)	CH ₃	CH ₃	H	H
3711	SO ₂ (VINYL)	CH ₃	CH ₃	H	SO ₂ (VINYL)
3712	SO ₂ (VINYL)	CH ₃	H	CH ₃	H
3713	SO ₂ (VINYL)	CH ₃	SO ₂ (VINYL)	CH ₃	H
3714	SO ₂ (VINYL)	CH ₃	H	CH ₃	SO ₂ (VINYL)

Table 3] (continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3715	SO ₂ (VINYL)	CH ₃	SO ₂ (VINYL)	CH ₃	SO ₂ (VINYL)
3716	SO ₂ (VINYL)	CH ₃	H	H	CH ₃
3717	SO ₂ (VINYL)	CH ₃	SO ₂ (VINYL)	H	CH ₃
3718	SO ₂ (VINYL)	H	CH ₃	CH ₃	H
3719	SO ₂ (VINYL)	H	CH ₃	CH ₃	SO ₂ (VINYL)
3720	SO ₂ (VINYL)	H	CH ₃	H	CH ₃
3721	SO ₂ (VINYL)	H	H	CH ₃	CH ₃
3722	SO ₂ (VINYL)	H	SO ₂ (VINYL)	CH ₃	CH ₃
3723	SO ₂ (VINYL)	OCH ₃	H	H	H
3724	SO ₂ (VINYL)	OCH ₃	SO ₂ (VINYL)	H	H
3725	SO ₂ (VINYL)	OCH ₃	H	SO ₂ (VINYL)	H
3726	SO ₂ (VINYL)	OCH ₃	H	H	SO ₂ (VINYL)
3727	SO ₂ (VINYL)	OCH ₃	SO ₂ (VINYL)	H	SO ₂ (VINYL)
3728	SO ₂ (VINYL)	H	OCH ₃	H	H
3729	SO ₂ (VINYL)	SO ₂ (VINYL)	OCH ₃	H	H
3730	SO ₂ (VINYL)	H	OCH ₃	SO ₂ (VINYL)	H
3731	SO ₂ (VINYL)	H	OCH ₃	H	SO ₂ (VINYL)
3732	SO ₂ (VINYL)	SO ₂ (VINYL)	OCH ₃	SO ₂ (VINYL)	H
3733	SO ₂ (VINYL)	SO ₂ (VINYL)	OCH ₃	H	SO ₂ (VINYL)
3734	SO ₂ (VINYL)	H	H	OCH ₃	H

[Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3735	SO ₂ (VINYL)	H	SO ₂ (VINYL)	0CH ₃	H
3736	SO ₂ (VINYL)	H	H	H	OCH ₃
3737	SO ₂ (VINYL)	SO ₂ (VINYL)	H	H	OCH ₃
3738	SO ₂ (VINYL)	H	SO ₂ (VINYL)	H	OCH ₃
3739	SO ₂ (VINYL)	H	H	SO ₂ (VINYL)	OCH ₃
3740	SO ₂ (VINYL)	SO ₂ (VINYL)	SO ₂ (VINYL)	H	OCH ₃
3741	SO ₂ (VINYL)	SO ₂ (VINYL)	H	SO ₂ (VINYL)	OCH ₃
3742	SO ₂ (VINYL)	H	SO ₂ (VINYL)	SO ₂ (VINYL)	OCH ₃
3743	SO ₂ (VINYL)	OH	H	H	H
3744	SO ₂ (VINYL)	OH	SO ₂ (VINYL)	H	H
3745	SO ₂ (VINYL)	OH	H	SO ₂ (VINYL)	H
3746	SO ₂ (VINYL)	OH	H	H	SO ₂ (VINYL)
3747	SO ₂ (VINYL)	OH	SO ₂ (VINYL)	H	SO ₂ (VINYL)
3748	SO ₂ (VINYL)	H	OH	H	H
3749	SO ₂ (VINYL)	SO ₂ (VINYL)	OH	H	H
3750	SO ₂ (VINYL)	H	OH	SO ₂ (VINYL)	H
3751	SO ₂ (VINYL)	H	OH	H	SO ₂ (VINYL)
3752	SO ₂ (VINYL)	SO ₂ (VINYL)	OH	SO ₂ (VINYL)	H
3753	SO ₂ (VINYL)	SO ₂ (VINYL)	OH	H	SO ₂ (VINYL)
3754	SO ₂ (VINYL)	H	H	OH	H

Table 31 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3755	SO ₂ (VINYL)	H	SO ₂ (VINYL)	OH	H
3756	SO ₂ (VINYL)	H	H	H	OH
3757	SO ₂ (VINYL)	SO ₂ (VINYL)	H	H	OH
3758	SO ₂ (VINYL)	H	SO ₂ (VINYL)	H	OH
3759	SO ₂ (VINYL)	H	H	SO ₂ (VINYL)	OH
3760	SO ₂ (VINYL)	SO ₂ (VINYL)	SO ₂ (VINYL)	H	OH
3761	SO ₂ (VINYL)	SO ₂ (VINYL)	H	SO ₂ (VINYL)	OH
3762	SO ₂ (VINYL)	H	SO ₂ (VINYL)	SO ₂ (VINYL)	OH
3763	SO ₂ (CYCLOHEXYL)	H	H	H	H
3764	SO ₂ (CYCLOHEXYL)	H	SO ₂ (CYCLOHEXYL)	H	H
3765	SO ₂ (CYCLOHEXYL)	H	H	H	SO ₂ (CYCLOHEXYL)
3766	SO ₂ (CYCLOHEXYL)	H	SO ₂ (CYCLOHEXYL)	H	SO ₂ (CYCLOHEXYL)
3767	SO ₂ (CYCLOHEXYL)	CH ₃	H	H	H
3768	SO ₂ (CYCLOHEXYL)	CH ₃	SO ₂ (CYCLOHEXYL)	H	H
3769	SO ₂ (CYCLOHEXYL)	CH ₃	H	H	SO ₂ (CYCLOHEXYL)
3770	SO ₂ (CYCLOHEXYL)	CH ₃	SO ₂ (CYCLOHEXYL)	H	SO ₂ (CYCLOHEXYL)
3771	SO ₂ (CYCLOHEXYL)	H	CH ₃	H	H
3772	SO ₂ (CYCLOHEXYL)	H	CH ₃	H	SO ₂ (CYCLOHEXYL)
3773	SO ₂ (CYCLOHEXYL)	H	H	CH ₃	H
3774	SO ₂ (CYCLOHEXYL)	H	SO ₂ (CYCLOHEXYL)	CH ₃	H

Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3775	SO ₂ (CYCLOHEXYL)	H	H	H	CH ₃
3776	SO ₂ (CYCLOHEXYL)	H	SO ₂ (CYCLOHEXYL)	H	CH ₃
3777	SO ₂ (CYCLOHEXYL)	C ₂ H ₅	H	H	H
3778	SO ₂ (CYCLOHEXYL)	C ₂ H ₅	SO ₂ (CYCLOHEXYL)	H	H
3779	SO ₂ (CYCLOHEXYL)	C ₂ H ₅	H	H	SO ₂ (CYCLOHEXYL)
3780	SO ₂ (CYCLOHEXYL)	C ₂ H ₅	SO ₂ (CYCLOHEXYL)	H	SO ₂ (CYCLOHEXYL)
3781	SO ₂ (CYCLOHEXYL)	H	C ₂ H ₅	H	H
3782	SO ₂ (CYCLOHEXYL)	H	C ₂ H ₅	H	SO ₂ (CYCLOHEXYL)
3783	SO ₂ (CYCLOHEXYL)	H	H	C ₂ H ₅	H
3784	SO ₂ (CYCLOHEXYL)	H	SO ₂ (CYCLOHEXYL)	C ₂ H ₅	H
3785	SO ₂ (CYCLOHEXYL)	H	H	H	C ₂ H ₅
3786	SO ₂ (CYCLOHEXYL)	H	SO ₂ (CYCLOHEXYL)	H	C ₂ H ₅
3787	SO ₂ (CYCLOHEXYL)	ⁿ C ₃ H ₇	H	H	H
3788	SO ₂ (CYCLOHEXYL)	ⁿ C ₃ H ₇	SO ₂ (CYCLOHEXYL)	H	H
3789	SO ₂ (CYCLOHEXYL)	ⁿ C ₃ H ₇	H	H	SO ₂ CH ₃
3790	SO ₂ (CYCLOHEXYL)	ⁿ C ₃ H ₇	SO ₂ (CYCLOHEXYL)	H	SO ₂ CH ₃
3791	SO ₂ (CYCLOHEXYL)	H	ⁿ C ₃ H ₇	H	H
3792	SO ₂ (CYCLOHEXYL)	H	ⁿ C ₃ H ₇	H	SO ₂ (CYCLOHEXYL)
3793	SO ₂ (CYCLOHEXYL)	H	H	ⁿ C ₃ H ₇	H
3794	SO ₂ (CYCLOHEXYL)	H	SO ₂ (CYCLOHEXYL)	ⁿ C ₃ H ₇	H

Table 3 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3795	SO ₂ (CYCLOHEXYL)	H	H	H	¹ C ₃ H ₇
3796	SO ₂ (CYCLOHEXYL)	H	SO ₂ (CYCLOHEXYL)	H	¹ C ₃ H ₇
3797	SO ₂ (CYCLOHEXYL)	¹ C ₃ H ₇	H	H	H
3798	SO ₂ (CYCLOHEXYL)	¹ C ₃ H ₇	SO ₂ (CYCLOHEXYL)	H	H
3799	SO ₂ (CYCLOHEXYL)	¹ C ₃ H ₇	H	H	SO ₂ (CYCLOHEXYL)
3800	SO ₂ (CYCLOHEXYL)	¹ C ₃ H ₇	SO ₂ (CYCLOHEXYL)	H	SO ₂ (CYCLOHEXYL)
3801	SO ₂ (CYCLOHEXYL)	H	¹ C ₃ H ₇	H	H
3802	SO ₂ (CYCLOHEXYL)	H	¹ C ₃ H ₇	H	SO ₂ (CYCLOHEXYL)
3803	SO ₂ (CYCLOHEXYL)	H	H	¹ C ₃ H ₇	H
3804	SO ₂ (CYCLOHEXYL)	H	SO ₂ (CYCLOHEXYL)	¹ C ₃ H ₇	H
3805	SO ₂ (CYCLOHEXYL)	H	H	H	¹ C ₃ H ₇
3806	SO ₂ (CYCLOHEXYL)	H	SO ₂ (CYCLOHEXYL)	H	¹ C ₃ H ₇
3807	SO ₂ (CYCLOHEXYL)	C1	H	H	H
3808	SO ₂ (CYCLOHEXYL)	C1	SO ₂ (CYCLOHEXYL)	H	H
3809	SO ₂ (CYCLOHEXYL)	C1	H	H	SO ₂ (CYCLOHEXYL)
3810	SO ₂ (CYCLOHEXYL)	C1	SO ₂ (CYCLOHEXYL)	H	SO ₂ (CYCLOHEXYL)
3811	SO ₂ (CYCLOHEXYL)	H	C1	H	H
3812	SO ₂ (CYCLOHEXYL)	H	C1	H	SO ₂ (CYCLOHEXYL)
3813	SO ₂ (CYCLOHEXYL)	H	H	C1	H
3814	SO ₂ (CYCLOHEXYL)	H	SO ₂ (CYCLOHEXYL)	C1	H

Table 31 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3815	SO ₂ (CYCLOHEXYL)	H	H	H	Cl
3816	SO ₂ (CYCLOHEXYL)	H	SO ₂ (CYCLOHEXYL)	H	Cl
3817	SO ₂ (CYCLOHEXYL)	CH ₃	CH ₃	H	H
3818	SO ₂ (CYCLOHEXYL)	CH ₃	CH ₃	H	SO ₂ (CYCLOHEXYL)
3819	SO ₂ (CYCLOHEXYL)	CH ₃	H	CH ₃	H
3820	SO ₂ (CYCLOHEXYL)	CH ₃	SO ₂ (CYCLOHEXYL)	CH ₃	H
3821	SO ₂ (CYCLOHEXYL)	CH ₃	H	CH ₃	SO ₂ (CYCLOHEXYL)
3822	SO ₂ (CYCLOHEXYL)	CH ₃	SO ₂ (CYCLOHEXYL)	CH ₃	SO ₂ (CYCLOHEXYL)
3823	SO ₂ (CYCLOHEXYL)	CH ₃	H	H	CH ₃
3824	SO ₂ (CYCLOHEXYL)	CH ₃	SO ₂ (CYCLOHEXYL)	H	CH ₃
3825	SO ₂ (CYCLOHEXYL)	H	CH ₃	CH ₃	H
3826	SO ₂ (CYCLOHEXYL)	H	CH ₃	CH ₃	SO ₂ (CYCLOHEXYL)
3827	SO ₂ (CYCLOHEXYL)	H	CH ₃	H	CH ₃
3828	SO ₂ (CYCLOHEXYL)	H	H	CH ₃	CH ₃
3829	SO ₂ (CYCLOHEXYL)	H	SO ₂ (CYCLOHEXYL)	CH ₃	CH ₃
3830	SO ₂ (CYCLOHEXYL)	OCH ₃	H	H	H
3831	SO ₂ (CYCLOHEXYL)	OCH ₃	SO ₂ (CYCLOHEXYL)	H	H
3832	SO ₂ (CYCLOHEXYL)	OCH ₃	H	SO ₂ (CYCLOHEXYL)	H
3833	SO ₂ (CYCLOHEXYL)	OCH ₃	H	H	SO ₂ (CYCLOHEXYL)
3834	SO ₂ (CYCLOHEXYL)	OCH ₃	SO ₂ (CYCLOHEXYL)	H	SO ₂ (CYCLOHEXYL)

Table 3 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3835	SO ₂ (CYCLOHEXYL)	H	OCH ₃	H	H
3836	SO ₂ (CYCLOHEXYL)	SO ₂ (CYCLOHEXYL)	OCH ₃	H	H
3837	SO ₂ (CYCLOHEXYL)	H	OCH ₃	SO ₂ (CYCLOHEXYL)	H
3838	SO ₂ (CYCLOHEXYL)	H	OCH ₃	H	SO ₂ (CYCLOHEXYL)
3839	SO ₂ (CYCLOHEXYL)	SO ₂ (CYCLOHEXYL)	OCH ₃	SO ₂ (CYCLOHEXYL)	H
3840	SO ₂ (CYCLOHEXYL)	SO ₂ (CYCLOHEXYL)	OCH ₃	H	SO ₂ (CYCLOHEXYL)
3841	SO ₂ (CYCLOHEXYL)	H	H	OCH ₃	H
3842	SO ₂ (CYCLOHEXYL)	H	SO ₂ (CYCLOHEXYL)	OCH ₃	H
3843	SO ₂ (CYCLOHEXYL)	H	H	H	OCH ₃
3844	SO ₂ (CYCLOHEXYL)	SO ₂ (CYCLOHEXYL)	H	H	OCH ₃
3845	SO ₂ (CYCLOHEXYL)	H	SO ₂ (CYCLOHEXYL)	H	OCH ₃
3846	SO ₂ (CYCLOHEXYL)	H	H	SO ₂ (CYCLOHEXYL)	OCH ₃
3847	SO ₂ (CYCLOHEXYL)	SO ₂ (CYCLOHEXYL)	SO ₂ (CYCLOHEXYL)	H	OCH ₃
3848	SO ₂ (CYCLOHEXYL)	SO ₂ (CYCLOHEXYL)	H	SO ₂ (CYCLOHEXYL)	OCH ₃
3849	SO ₂ (CYCLOHEXYL)	H	SO ₂ (CYCLOHEXYL)	SO ₂ (CYCLOHEXYL)	OCH ₃
3850	SO ₂ (CYCLOHEXYL)	OH	H	H	H
3851	SO ₂ (CYCLOHEXYL)	OH	SO ₂ (CYCLOHEXYL)	H	H
3852	SO ₂ (CYCLOHEXYL)	OH	H	SO ₂ (CYCLOHEXYL)	H
3853	SO ₂ (CYCLOHEXYL)	OH	H	H	SO ₂ (CYCLOHEXYL)
3854	SO ₂ (CYCLOHEXYL)	OH	SO ₂ (CYCLOHEXYL)	H	SO ₂ (CYCLOHEXYL)

Table 3 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3855	SO ₂ (CYCLOHEXYL)	H	OH	H	H
3856	SO ₂ (CYCLOHEXYL)	SO ₂ (CYCLOHEXYL)	OH	H	H
3857	SO ₂ (CYCLOHEXYL)	H	OH	SO ₂ (CYCLOHEXYL)	H
3858	SO ₂ (CYCLOHEXYL)	H	OH	H	SO ₂ (CYCLOHEXYL)
3859	SO ₂ (CYCLOHEXYL)	SO ₂ (CYCLOHEXYL)	OH	SO ₂ (CYCLOHEXYL)	H
3860	SO ₂ (CYCLOHEXYL)	SO ₂ (CYCLOHEXYL)	OH	H	SO ₂ (CYCLOHEXYL)
3861	SO ₂ (CYCLOHEXYL)	H	H	OH	H
3862	SO ₂ (CYCLOHEXYL)	H	SO ₂ (CYCLOHEXYL)	OH	H
3863	SO ₂ (CYCLOHEXYL)	H	H	H	OH
3864	SO ₂ (CYCLOHEXYL)	SO ₂ (CYCLOHEXYL)	H	H	OH
3865	SO ₂ (CYCLOHEXYL)	H	SO ₂ (CYCLOHEXYL)	H	OH
3866	SO ₂ (CYCLOHEXYL)	H	H	SO ₂ (CYCLOHEXYL)	OH
3867	SO ₂ (CYCLOHEXYL)	SO ₂ (CYCLOHEXYL)	SO ₂ (CYCLOHEXYL)	H	OH
3868	SO ₂ (CYCLOHEXYL)	SO ₂ (CYCLOHEXYL)	H	SO ₂ (CYCLOHEXYL)	OH
3869	SO ₂ (CYCLOHEXYL)	H	SO ₂ (CYCLOHEXYL)	SO ₂ (CYCLOHEXYL)	OH
3870	SO ₂ (PHENYL)	H	H	H	H
3871	SO ₂ (PHENYL)	H	SO ₂ (PHENYL)	H	H
3872	SO ₂ (PHENYL)	H	H	H	SO ₂ (PHENYL)
3873	SO ₂ (PHENYL)	H	SO ₂ (PHENYL)	H	SO ₂ (PHENYL)
3874	SO ₂ (PHENYL)	Cl _b	H	H	H

Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3875	SO ₂ (PHENYL)	CH ₃	SO ₂ (PHENYL)	H	H
3876	SO ₂ (PHENYL)	CH ₃	H	H	SO ₂ (PHENYL)
3877	SO ₂ (PHENYL)	CH ₃	SO ₂ (PHENYL)	H	SO ₂ (PHENYL)
3878	SO ₂ (PHENYL)	H	CH ₃	H	H
3879	SO ₂ (PHENYL)	H	CH ₃	H	SO ₂ (PHENYL)
3880	SO ₂ (PHENYL)	H	H	CH ₃	H
3881	SO ₂ (PHENYL)	H	SO ₂ (PHENYL)	CH ₃	H
3882	SO ₂ (PHENYL)	H	H	H	CH ₃
3883	SO ₂ (PHENYL)	H	SO ₂ (PHENYL)	H	CH ₃
3884	SO ₂ (PHENYL)	C ₂ H ₅	H	H	H
3885	SO ₂ (PHENYL)	C ₂ H ₅	SO ₂ (PHENYL)	H	H
3886	SO ₂ (PHENYL)	C ₂ H ₅	H	H	SO ₂ (PHENYL)
3887	SO ₂ (PHENYL)	C ₂ H ₅	SO ₂ (PHENYL)	H	SO ₂ (PHENYL)
3888	SO ₂ (PHENYL)	H	C ₂ H ₅	H	H
3889	SO ₂ (PHENYL)	H	C ₂ H ₆	H	SO ₂ (PHENYL)
3890	SO ₂ (PHENYL)	H	H	C ₂ H ₅	H
3891	SO ₂ (PHENYL)	H	SO ₂ (PHENYL)	C ₂ H ₅	H
3892	SO ₂ (PHENYL)	H	H	H	C ₂ H ₅
3893	SO ₂ (PHENYL)	H	SO ₂ (PHENYL)	H	C ₂ H ₅
3894	SO ₂ (PHENYL)	^a C ₃ H ₇	H	H	H

Table 3 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3895	SO ₂ (PHENYL)	ⁿ C ₆ H ₇	SO ₂ (PHENYL)	H	H
3896	SO ₂ (PHENYL)	ⁿ C ₆ H ₇	H	H	SO ₂ (PHENYL)
3897	SO ₂ (PHENYL)	ⁿ C ₆ H ₇	SO ₂ (PHENYL)	H	SO ₂ (PHENYL)
3898	SO ₂ (PHENYL)	H	ⁿ C ₆ H ₇	H	H
3899	SO ₂ (PHENYL)	H	ⁿ C ₆ H ₇	H	SO ₂ (PHENYL)
3900	SO ₂ (PHENYL)	H	H	ⁿ C ₆ H ₇	H
3901	SO ₂ (PHENYL)	H	SO ₂ (PHENYL)	ⁿ C ₆ H ₇	H
3902	SO ₂ (PHENYL)	H	H	H	ⁿ C ₆ H ₇
3903	SO ₂ (PHENYL)	H	SO ₂ (PHENYL)	H	ⁿ C ₆ H ₇
3904	SO ₂ (PHENYL)	ⁱ C ₆ H ₇	H	H	H
3905	SO ₂ (PHENYL)	ⁱ C ₆ H ₇	SO ₂ (PHENYL)	H	H
3906	SO ₂ (PHENYL)	ⁱ C ₆ H ₇	H	H	SO ₂ (PHENYL)
3907	SO ₂ (PHENYL)	ⁱ C ₆ H ₇	SO ₂ (PHENYL)	H	SO ₂ (PHENYL)
3908	SO ₂ (PHENYL)	H	ⁱ C ₆ H ₇	H	H
3909	SO ₂ (PHENYL)	H	ⁱ C ₆ H ₇	H	SO ₂ (PHENYL)
3910	SO ₂ (PHENYL)	H	H	ⁱ C ₆ H ₇	H
3911	SO ₂ (PHENYL)	H	SO ₂ (PHENYL)	ⁱ C ₆ H ₇	H
3912	SO ₂ (PHENYL)	H	H	ⁱ C ₆ H ₇	ⁱ C ₆ H ₇
3913	SO ₂ (PHENYL)	H	SO ₂ (PHENYL)	H	ⁱ C ₆ H ₇
3914	SO ₂ (PHENYL)	C ₁	H	H	H

Table 3 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3915	SO ₂ (PHENYL)	C1	SO ₂ (PHENYL)	H	H
3916	SO ₂ (PHENYL)	C1	H	H	SO ₂ (PHENYL)
3917	SO ₂ (PHENYL)	C1	SO ₂ (PHENYL)	H	SO ₂ (PHENYL)
3918	SO ₂ (PHENYL)	H	C1	H	H
3919	SO ₂ (PHENYL)	H	C1	H	SO ₂ (PHENYL)
3920	SO ₂ (PHENYL)	H	H	C1	H
3921	SO ₂ (PHENYL)	H	SO ₂ (PHENYL)	C1	H
3922	SO ₂ (PHENYL)	H	H	H	C1
3923	SO ₂ (PHENYL)	H	SO ₂ (PHENYL)	H	C1
3924	SO ₂ (PHENYL)	CH ₃	CH ₃	H	H
3925	SO ₂ (PHENYL)	CH ₃	CH ₃	H	SO ₂ (PHENYL)
3926	SO ₂ (PHENYL)	CH ₃	H	CH ₃	H
3927	SO ₂ (PHENYL)	CH ₃	SO ₂ (PHENYL)	CH ₃	H
3928	SO ₂ (PHENYL)	CH ₃	H	CH ₃	SO ₂ (PHENYL)
3929	SO ₂ (PHENYL)	CH ₃	SO ₂ (PHENYL)	CH ₃	SO ₂ (PHENYL)
3930	SO ₂ (PHENYL)	CH ₃	H	H	CH ₃
3931	SO ₂ (PHENYL)	CH ₃	SO ₂ (PHENYL)	H	CH ₃
3932	SO ₂ (PHENYL)	H	CH ₃	CH ₃	H
3933	SO ₂ (PHENYL)	H	CH ₃	CH ₃	SO ₂ (PHENYL)
3934	SO ₂ (PHENYL)	H	CH ₃	H	CH ₃

Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3935	SO ₂ (PHENYL)	H	H	CH ₃	CH ₃
3936	SO ₂ (PHENYL)	H	SO ₂ (PHENYL)	CH ₃	CH ₃
3937	SO ₂ (PHENYL)	OCH ₃	H	H	H
3938	SO ₂ (PHENYL)	OCH ₃	SO ₂ (PHENYL)	H	H
3939	SO ₂ (PHENYL)	OCH ₃	H	SO ₂ (PHENYL)	H
3940	SO ₂ (PHENYL)	OCH ₃	H	H	SO ₂ (PHENYL)
3941	SO ₂ (PHENYL)	OCH ₃	SO ₂ (PHENYL)	H	SO ₂ (PHENYL)
3942	SO ₂ (PHENYL)	H	OCH ₃	H	H
3943	SO ₂ (PHENYL)	SO ₂ (PHENYL)	OCH ₃	H	H
3944	SO ₂ (PHENYL)	H	OCH ₃	SO ₂ (PHENYL)	H
3945	SO ₂ (PHENYL)	H	OCH ₃	H	SO ₂ (PHENYL)
3946	SO ₂ (PHENYL)	SO ₂ (PHENYL)	OCH ₃	SO ₂ (PHENYL)	H
3947	SO ₂ (PHENYL)	SO ₂ (PHENYL)	OCH ₃	H	SO ₂ (PHENYL)
3948	SO ₂ (PHENYL)	H	H	OCH ₃	H
3949	SO ₂ (PHENYL)	H	SO ₂ (PHENYL)	OCH ₃	H
3950	SO ₂ (PHENYL)	H	H	H	OCH ₃
3951	SO ₂ (PHENYL)	SO ₂ (PHENYL)	H	H	OCH ₃
3952	SO ₂ (PHENYL)	H	SO ₂ (PHENYL)	H	OCH ₃
3953	SO ₂ (PHENYL)	H	H	SO ₂ (PHENYL)	OCH ₃
3954	SO ₂ (PHENYL)	SO ₂ (PHENYL)	SO ₂ (PHENYL)	H	OCH ₃

Table 3 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3955	SO ₂ (PHENYL)	SO ₂ (PHENYL)	H	SO ₂ (PHENYL)	OCH ₃
3956	SO ₂ (PHENYL)	H	SO ₂ (PHENYL)	SO ₂ (PHENYL)	OCH ₃
3957	SO ₂ (PHENYL)	OH	H	H	H
3958	SO ₂ (PHENYL)	OH	SO ₂ (PHENYL)	H	H
3959	SO ₂ (PHENYL)	OH	H	SO ₂ (PHENYL)	H
3960	SO ₂ (PHENYL)	OH	H	H	SO ₂ (PHENYL)
3961	SO ₂ (PHENYL)	OH	SO ₂ (PHENYL)	H	SO ₂ (PHENYL)
3962	SO ₂ (PHENYL)	H	OH	H	H
3963	SO ₂ (PHENYL)	SO ₂ (PHENYL)	OH	H	H
3964	SO ₂ (PHENYL)	H	OH	SO ₂ (PHENYL)	H
3965	SO ₂ (PHENYL)	H	OH	H	SO ₂ (PHENYL)
3966	SO ₂ (PHENYL)	SO ₂ (PHENYL)	OH	SO ₂ (PHENYL)	H
3967	SO ₂ (PHENYL)	SO ₂ (PHENYL)	OH	H	SO ₂ (PHENYL)
3968	SO ₂ (PHENYL)	H	H	OH	H
3969	SO ₂ (PHENYL)	H	SO ₂ (PHENYL)	OH	H
3970	SO ₂ (PHENYL)	H	H	H	OH
3971	SO ₂ (PHENYL)	SO ₂ (PHENYL)	H	H	OH
3972	SO ₂ (PHENYL)	H	SO ₂ (PHENYL)	H	OH
3973	SO ₂ (PHENYL)	H	H	SO ₂ (PHENYL)	OH
3974	SO ₂ (PHENYL)	SO ₂ (PHENYL)	SO ₂ (PHENYL)	H	OH

Table 3 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3975	SO ₂ (PHENYL)	SO ₂ (PHENYL)	H	SO ₂ (PHENYL)	OH
3976	SO ₂ (PHENYL)	H	SO ₂ (PHENYL)	SO ₂ (PHENYL)	OH
3977	SO ₂ (p-METHYLPHENYL)	H	H	H	H
3978	SO ₂ (p-METHYLPHENYL)	H	SO ₂ (p-METHYLPHENYL)	H	H
3979	SO ₂ (p-METHYLPHENYL)	H	H	H	SO ₂ (p-METHYLPHENYL)
3980	SO ₂ (p-METHYLPHENYL)	H	SO ₂ (p-METHYLPHENYL)	H	SO ₂ (p-METHYLPHENYL)
3981	SO ₂ (p-METHYLPHENYL)	CH ₃	H	H	H
3982	SO ₂ (p-METHYLPHENYL)	CH ₃	SO ₂ (p-METHYLPHENYL)	H	H
3983	SO ₂ (p-METHYLPHENYL)	CH ₃	H	H	SO ₂ (p-METHYLPHENYL)
3984	SO ₂ (p-METHYLPHENYL)	CH ₃	SO ₂ (p-METHYLPHENYL)	H	SO ₂ (p-METHYLPHENYL)
3985	SO ₂ (p-METHYLPHENYL)	H	CH ₃	H	H
3986	SO ₂ (p-METHYLPHENYL)	H	CH ₃	H	SO ₂ (p-METHYLPHENYL)
3987	SO ₂ (p-METHYLPHENYL)	H	H	CH ₃	H
3988	SO ₂ (p-METHYLPHENYL)	H	SO ₂ (p-METHYLPHENYL)	CH ₃	H
3989	SO ₂ (p-METHYLPHENYL)	H	H	H	CH ₃
3990	SO ₂ (p-METHYLPHENYL)	H	SO ₂ (p-METHYLPHENYL)	H	CH ₃
3991	SO ₂ (p-METHYLPHENYL)	C ₂ H ₅	H	H	H
3992	SO ₂ (p-METHYLPHENYL)	C ₂ H ₆	SO ₂ (p-METHYLPHENYL)	H	H
3993	SO ₂ (p-METHYLPHENYL)	C ₂ H ₅	H	H	SO ₂ (p-METHYLPHENYL)
3994	SO ₂ (p-METHYLPHENYL)	C ₂ H ₆	SO ₂ (p-METHYLPHENYL)	H	SO ₂ (p-METHYLPHENYL)

Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
3995	SO ₂ (p-METHYLPHENYL)	H	C ₂ H ₅	H	H
3996	SO ₂ (p-METHYLPHENYL)	H	C ₂ H ₅	H	SO ₂ (p-METHYLPHENYL)
3997	SO ₂ (p-METHYLPHENYL)	H	H	C ₂ H ₅	H
3998	SO ₂ (p-METHYLPHENYL)	H	SO ₂ (p-METHYLPHENYL)	C ₂ H ₅	H
3999	SO ₂ (p-METHYLPHENYL)	H	H	H	C ₂ H ₅
4000	SO ₂ (p-METHYLPHENYL)	H	SO ₂ (p-METHYLPHENYL)	H	C ₂ H ₅
4001	SO ₂ (p-METHYLPHENYL)	ⁿ C ₃ H ₇	H	H	H
4002	SO ₂ (p-METHYLPHENYL)	ⁿ C ₃ H ₇	SO ₂ (p-METHYLPHENYL)	H	H
4003	SO ₂ (p-METHYLPHENYL)	ⁿ C ₃ H ₇	H	H	SO ₂ (p-METHYLPHENYL)
4004	SO ₂ (p-METHYLPHENYL)	ⁿ C ₃ H ₇	SO ₂ (p-METHYLPHENYL)	H	SO ₂ (p-METHYLPHENYL)
4005	SO ₂ (p-METHYLPHENYL)	H	ⁿ C ₃ H ₇	H	H
4006	SO ₂ (p-METHYLPHENYL)	H	C ₂ H ₅	H	SO ₂ (p-METHYLPHENYL)
4007	SO ₂ (p-METHYLPHENYL)	H	H	ⁿ C ₃ H ₇	H
4008	SO ₂ (p-METHYLPHENYL)	H	SO ₂ (p-METHYLPHENYL)	ⁿ C ₃ H ₇	H
4009	SO ₂ (p-METHYLPHENYL)	H	H	H	ⁿ C ₃ H ₇
4010	SO ₂ (p-METHYLPHENYL)	H	SO ₂ (p-METHYLPHENYL)	H	ⁿ C ₃ H ₇
4011	SO ₂ (p-METHYLPHENYL)	ⁱ C ₃ H ₇	H	H	H
4012	SO ₂ (p-METHYLPHENYL)	ⁱ C ₃ H ₇	SO ₂ (p-METHYLPHENYL)	H	H
4013	SO ₂ (p-METHYLPHENYL)	ⁱ C ₃ H ₇	H	H	SO ₂ (p-METHYLPHENYL)
4014	SO ₂ (p-METHYLPHENYL)	ⁱ C ₃ H ₇	SO ₂ (p-METHYLPHENYL)	H	SO ₂ (p-METHYLPHENYL)

Table 31 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4015	SO ₂ (p-METHYLPHENYL)	H	¹ C ₆ H ₇	H	H
4016	SO ₂ (p-METHYLPHENYL)	H	¹ C ₆ H ₇	H	SO ₂ (p-METHYLPHENYL)
4017	SO ₂ (p-METHYLPHENYL)	H	H	¹ C ₆ H ₇	H
4018	SO ₂ (p-METHYLPHENYL)	H	SO ₂ (p-METHYLPHENYL)	¹ C ₆ H ₇	H
4019	SO ₂ (p-METHYLPHENYL)	H	H	¹ C ₆ H ₇	¹ C ₆ H ₇
4020	SO ₂ (p-METHYLPHENYL)	H	SO ₂ (p-METHYLPHENYL)	H	¹ C ₆ H ₇
4021	SO ₂ (p-METHYLPHENYL)	C ₁	H	H	H
4022	SO ₂ (p-METHYLPHENYL)	C ₁	SO ₂ (p-METHYLPHENYL)	H	H
4023	SO ₂ (p-METHYLPHENYL)	C ₁	H	H	SO ₂ (p-METHYLPHENYL)
4024	SO ₂ (p-METHYLPHENYL)	C ₁	SO ₂ (p-METHYLPHENYL)	H	SO ₂ (p-METHYLPHENYL)
4025	SO ₂ (p-METHYLPHENYL)	H	C ₁	H	H
4026	SO ₂ (p-METHYLPHENYL)	H	C ₁	H	SO ₂ (p-METHYLPHENYL)
4027	SO ₂ (p-METHYLPHENYL)	H	H	C ₁	H
4028	SO ₂ (p-METHYLPHENYL)	H	SO ₂ (p-METHYLPHENYL)	C ₁	H
4029	SO ₂ (p-METHYLPHENYL)	H	H	H	C ₁
4030	SO ₂ (p-METHYLPHENYL)	H	SO ₂ (p-METHYLPHENYL)	H	C ₁
4031	SO ₂ (p-METHYLPHENYL)	CH ₃	CH ₃	H	H
4032	SO ₂ (p-METHYLPHENYL)	CH ₃	CH ₃	H	SO ₂ (p-METHYLPHENYL)
4033	SO ₂ (p-METHYLPHENYL)	CH ₃	H	CH ₃	H
4034	SO ₂ (p-METHYLPHENYL)	CH ₃	SO ₂ (p-METHYLPHENYL)	CH ₃	H

Table 3 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4035	SO ₂ (p-METHYLPHENYL)	CH ₃	H	CH ₃	SO ₂ (p-METHYLPHENYL)
4036	SO ₂ (p-METHYLPHENYL)	CH ₃	SO ₂ (p-METHYLPHENYL)	CH ₃	SO ₂ (p-METHYLPHENYL)
4037	SO ₂ (p-METHYLPHENYL)	CH ₃	H	H	CH ₃
4038	SO ₂ (p-METHYLPHENYL)	CH ₃	SO ₂ (p-METHYLPHENYL)	H	CH ₃
4039	SO ₂ (p-METHYLPHENYL)	H	CH ₃	CH ₃	CH ₃
4040	SO ₂ (p-METHYLPHENYL)	H	CH ₃	CH ₃	SO ₂ (p-METHYLPHENYL)
4041	SO ₂ (p-METHYLPHENYL)	H	CH ₃	H	CH ₃
4042	SO ₂ (p-METHYLPHENYL)	H	H	CH ₃	CH ₃
4043	SO ₂ (p-METHYLPHENYL)	H	SO ₂ (p-METHYLPHENYL)	CH ₃	CH ₃
4044	SO ₂ (p-METHYLPHENYL)	OCH ₃	H	H	H
4045	SO ₂ (p-METHYLPHENYL)	OCH ₃	SO ₂ (p-METHYLPHENYL)	H	H
4046	SO ₂ (p-METHYLPHENYL)	OCH ₃	H	SO ₂ (p-METHYLPHENYL)	H
4047	SO ₂ (p-METHYLPHENYL)	OCH ₃	H	H	SO ₂ (p-METHYLPHENYL)
4048	SO ₂ (p-METHYLPHENYL)	OCH ₃	SO ₂ (p-METHYLPHENYL)	H	SO ₂ (p-METHYLPHENYL)
4049	SO ₂ (p-METHYLPHENYL)	H	OCH ₃	H	H
4050	SO ₂ (p-METHYLPHENYL)	SO ₂ CH ₃	OCH ₃	H	H
4051	SO ₂ (p-METHYLPHENYL)	H	OCH ₃	SO ₂ (p-METHYLPHENYL)	H
4052	SO ₂ (p-METHYLPHENYL)	H	OCH ₃	H	SO ₂ (p-METHYLPHENYL)
4053	SO ₂ (p-METHYLPHENYL)	SO ₂ (p-METHYLPHENYL)	OCH ₃	SO ₂ (p-METHYLPHENYL)	H
4054	SO ₂ (p-METHYLPHENYL)	SO ₂ (p-METHYLPHENYL)	OCH ₃	H	SO ₂ (p-METHYLPHENYL)

Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4055	SO ₂ (p-METHYLPHENYL)	H	H	OCH ₃	H
4056	SO ₂ (p-METHYLPHENYL)	H	SO ₂ (p-METHYLPHENYL)	OCH ₃	H
4057	SO ₂ (p-METHYLPHENYL)	H	H	H	OCH ₃
4058	SO ₂ (p-METHYLPHENYL)	SO ₂ (p-METHYLPHENYL)	H	H	OCH ₃
4059	SO ₂ (p-METHYLPHENYL)	H	SO ₂ (p-METHYLPHENYL)	H	OCH ₃
4060	SO ₂ (p-METHYLPHENYL)	H	H	SO ₂ (p-METHYLPHENYL)	OCH ₃
4061	SO ₂ (p-METHYLPHENYL)	SO ₂ (p-METHYLPHENYL)	SO ₂ (p-METHYLPHENYL)	H	OCH ₃
4062	SO ₂ (p-METHYLPHENYL)	SO ₂ (p-METHYLPHENYL)	H	SO ₂ (p-METHYLPHENYL)	OCH ₃
4063	SO ₂ (p-METHYLPHENYL)	H	SO ₂ (p-METHYLPHENYL)	SO ₂ (p-METHYLPHENYL)	OCH ₃
4064	SO ₂ (p-METHYLPHENYL)	OH	H	H	H
4065	SO ₂ (p-METHYLPHENYL)	OH	SO ₂ (p-METHYLPHENYL)	H	H
4066	SO ₂ (p-METHYLPHENYL)	OH	H	SO ₂ (p-METHYLPHENYL)	H
4067	SO ₂ (p-METHYLPHENYL)	OH	H	H	SO ₂ (p-METHYLPHENYL)
4068	SO ₂ (p-METHYLPHENYL)	OH	SO ₂ (p-METHYLPHENYL)	H	SO ₂ (p-METHYLPHENYL)
4069	SO ₂ (p-METHYLPHENYL)	H	OH	H	H
4070	SO ₂ (p-METHYLPHENYL)	SO ₂ (p-METHYLPHENYL)	OH	H	H
4071	SO ₂ (p-METHYLPHENYL)	H	OH	SO ₂ (p-METHYLPHENYL)	H
4072	SO ₂ (p-METHYLPHENYL)	H	OH	H	SO ₂ (p-METHYLPHENYL)
4073	SO ₂ (p-METHYLPHENYL)	SO ₂ (p-METHYLPHENYL)	OH	SO ₂ (p-METHYLPHENYL)	H
4074	SO ₂ (p-METHYLPHENYL)	SO ₂ (p-METHYLPHENYL)	OH	H	SO ₂ (p-METHYLPHENYL)

Table 3 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4075	SO ₂ (p-METHYLPHENYL)	H	H	OH	H
4076	SO ₂ (p-METHYLPHENYL)	H	SO ₂ (p-METHYLPHENYL)	OH	H
4077	SO ₂ (p-METHYLPHENYL)	H	H	H	OH
4078	SO ₂ (p-METHYLPHENYL)	SO ₂ (p-METHYLPHENYL)	H	H	OH
4079	SO ₂ (p-METHYLPHENYL)	H	SO ₂ (p-METHYLPHENYL)	H	OH
4080	SO ₂ (p-METHYLPHENYL)	H	H	SO ₂ (p-METHYLPHENYL)	OH
4081	SO ₂ (p-METHYLPHENYL)	SO ₂ (p-METHYLPHENYL)	SO ₂ (p-METHYLPHENYL)	H	OH
4082	SO ₂ (p-METHYLPHENYL)	SO ₂ (p-METHYLPHENYL)	H	SO ₂ (p-METHYLPHENYL)	OH
4083	SO ₂ (p-METHYLPHENYL)	H	SO ₂ (p-METHYLPHENYL)	SO ₂ (p-METHYLPHENYL)	OH
4084	SO ₂ (o-METHYLPHENYL)	H	H	H	H
4085	SO ₂ (o-METHYLPHENYL)	H	SO ₂ (o-METHYLPHENYL)	H	H
4086	SO ₂ (o-METHYLPHENYL)	H	H	H	SO ₂ (o-METHYLPHENYL)
4087	SO ₂ (o-METHYLPHENYL)	H	SO ₂ (o-METHYLPHENYL)	H	SO ₂ (o-METHYLPHENYL)
4088	SO ₂ (o-METHYLPHENYL)	CH ₃	H	H	H
4089	SO ₂ (o-METHYLPHENYL)	CH ₃	SO ₂ (o-METHYLPHENYL)	H	H
4090	SO ₂ (o-METHYLPHENYL)	CH ₃	H	H	SO ₂ (o-METHYLPHENYL)
4091	SO ₂ (o-METHYLPHENYL)	CH ₃	SO ₂ (o-METHYLPHENYL)	H	SO ₂ (o-METHYLPHENYL)
4092	SO ₂ (o-METHYLPHENYL)	H	CH ₃	H	H
4093	SO ₂ (o-METHYLPHENYL)	H	CH ₃	H	SO ₂ (o-METHYLPHENYL)
4094	SO ₂ (o-METHYLPHENYL)	H	H	CH ₃	H

Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4095	SO ₂ (o-METHYLPHENYL)	H	SO ₂ (o-METHYLPHENYL)	CH ₃	H
4096	SO ₂ (o-METHYLPHENYL)	H	H	H	CH ₃
4097	SO ₂ (o-METHYLPHENYL)	H	SO ₂ (o-METHYLPHENYL)	H	CH ₃
4098	SO ₂ (o-METHYLPHENYL)	C ₂ H ₅	H	H	H
4099	SO ₂ (o-METHYLPHENYL)	C ₂ H ₅	SO ₂ (o-METHYLPHENYL)	H	H
4100	SO ₂ (o-METHYLPHENYL)	C ₂ H ₅	H	H	SO ₂ (o-METHYLPHENYL)
4101	SO ₂ (o-METHYLPHENYL)	C ₂ H ₅	SO ₂ (o-METHYLPHENYL)	H	SO ₂ (o-METHYLPHENYL)
4102	SO ₂ (o-METHYLPHENYL)	H	C ₂ H ₅	H	H
4103	SO ₂ (o-METHYLPHENYL)	H	C ₂ H ₅	H	SO ₂ (o-METHYLPHENYL)
4104	SO ₂ (o-METHYLPHENYL)	H	H	C ₂ H ₅	H
4105	SO ₂ (o-METHYLPHENYL)	H	SO ₂ (o-METHYLPHENYL)	C ₂ H ₅	H
4106	SO ₂ (o-METHYLPHENYL)	H	H	H	C ₂ H ₅
4107	SO ₂ (o-METHYLPHENYL)	H	SO ₂ (o-METHYLPHENYL)	H	C ₂ H ₅
4108	SO ₂ (o-METHYLPHENYL)	ⁿ C ₃ H ₇	H	H	H
4109	SO ₂ (o-METHYLPHENYL)	ⁿ C ₃ H ₇	SO ₂ (o-METHYLPHENYL)	H	H
4110	SO ₂ (o-METHYLPHENYL)	ⁿ C ₃ H ₇	H	H	SO ₂ (o-METHYLPHENYL)
4111	SO ₂ (o-METHYLPHENYL)	ⁿ C ₃ H ₇	SO ₂ (o-METHYLPHENYL)	H	SO ₂ (o-METHYLPHENYL)
4112	SO ₂ (o-METHYLPHENYL)	H	ⁿ C ₃ H ₇	H	H
4113	SO ₂ (o-METHYLPHENYL)	H	ⁿ C ₃ H ₇	H	SO ₂ (o-METHYLPHENYL)
4114	SO ₂ (o-METHYLPHENYL)	H	H	ⁿ C ₃ H ₇	H

[Table 3] (Continued)

Compound No.	R ₁		R ₂	R ₃	R ₄		R ₅
	Conc.	Conc.			Conc.	Conc.	
4115	SO ₂ (o-METHYLPHENYL)	H	SO ₂ (o-METHYLPHENYL)	ⁿ C ₃ H ₇	H	H	
4116	SO ₂ (o-METHYLPHENYL)	H	SO ₂ (o-METHYLPHENYL)	H	H	ⁿ C ₃ H ₇	
4117	SO ₂ (o-METHYLPHENYL)	H	SO ₂ (o-METHYLPHENYL)	H	H		
4118	SO ₂ (o-METHYLPHENYL)	¹ C ₃ H ₇	H	H	H		
4119	SO ₂ (o-METHYLPHENYL)	¹ C ₃ H ₇	SO ₂ (o-METHYLPHENYL)	H	H		
4120	SO ₂ (o-METHYLPHENYL)	¹ C ₃ H ₇	H	H	SO ₂ (o-METHYLPHENYL)		
4121	SO ₂ (o-METHYLPHENYL)	¹ C ₃ H ₇	SO ₂ (o-METHYLPHENYL)	H	H	SO ₂ (o-METHYLPHENYL)	
4122	SO ₂ (o-METHYLPHENYL)	H	¹ C ₃ H ₇	H	H		
4123	SO ₂ (o-METHYLPHENYL)	H	¹ C ₃ H ₇	H	H	SO ₂ (o-METHYLPHENYL)	
4124	SO ₂ (o-METHYLPHENYL)	H	H	¹ C ₃ H ₇	H	H	
4125	SO ₂ (o-METHYLPHENYL)	H	SO ₂ (o-METHYLPHENYL)	¹ C ₃ H ₇	H	H	
4126	SO ₂ (o-METHYLPHENYL)	H	H	H	¹ C ₃ H ₇		
4127	SO ₂ (o-METHYLPHENYL)	H	SO ₂ (o-METHYLPHENYL)	H	¹ C ₃ H ₇		
4128	SO ₂ (o-METHYLPHENYL)	C ₁	H	H		H	
4129	SO ₂ (o-METHYLPHENYL)	C ₁	SO ₂ (o-METHYLPHENYL)	H		H	
4130	SO ₂ (o-METHYLPHENYL)	C ₁	H	H	SO ₂ (o-METHYLPHENYL)		
4131	SO ₂ (o-METHYLPHENYL)	C ₁	SO ₂ (o-METHYLPHENYL)	H	H	SO ₂ (o-METHYLPHENYL)	
4132	SO ₂ (o-METHYLPHENYL)	H	C ₁	H	H	H	
4133	SO ₂ (o-METHYLPHENYL)	H	C ₁	H	H	SO ₂ (o-METHYLPHENYL)	
4134	SO ₂ (o-METHYLPHENYL)	H	H	C ₁	C ₁	H	

Table 31 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4135	SO ₂ (o-METHYLPHENYL)	H	SO ₂ (o-METHYLPHENYL)	C1	H
4136	SO ₂ (o-METHYLPHENYL)	H	H	H	C1
4137	SO ₂ (o-METHYLPHENYL)	H	SO ₂ (o-METHYLPHENYL)	H	C1
4138	SO ₂ (o-METHYLPHENYL)	CH ₃	CH ₃	H	H
4139	SO ₂ (o-METHYLPHENYL)	CH ₃	CH ₃	H	SO ₂ (o-METHYLPHENYL)
4140	SO ₂ (o-METHYLPHENYL)	CH ₃	H	CH ₃	H
4141	SO ₂ (o-METHYLPHENYL)	CH ₃	SO ₂ (o-METHYLPHENYL)	CH ₃	H
4142	SO ₂ (o-METHYLPHENYL)	CH ₃	H	CH ₃	SO ₂ (o-METHYLPHENYL)
4143	SO ₂ (o-METHYLPHENYL)	CH ₃	SO ₂ (o-METHYLPHENYL)	CH ₃	SO ₂ (o-METHYLPHENYL)
4144	SO ₂ (o-METHYLPHENYL)	CH ₃	H	H	CH ₃
4145	SO ₂ (o-METHYLPHENYL)	CH ₃	SO ₂ (o-METHYLPHENYL)	H	CH ₃
4146	SO ₂ (o-METHYLPHENYL)	H	CH ₃	CH ₃	H
4147	SO ₂ (o-METHYLPHENYL)	H	CH ₃	CH ₃	SO ₂ (o-METHYLPHENYL)
4148	SO ₂ (o-METHYLPHENYL)	H	CH ₃	H	CH ₃
4149	SO ₂ (o-METHYLPHENYL)	H	H	CH ₃	CH ₃
4150	SO ₂ (o-METHYLPHENYL)	H	SO ₂ (o-METHYLPHENYL)	CH ₃	CH ₃
4151	SO ₂ (o-METHYLPHENYL)	OCH ₃	H	H	H
4152	SO ₂ (o-METHYLPHENYL)	OCH ₃	SO ₂ (o-METHYLPHENYL)	H	H
4153	SO ₂ (o-METHYLPHENYL)	OCH ₃	H	SO ₂ (o-METHYLPHENYL)	H
4154	SO ₂ (o-METHYLPHENYL)	OCH ₃	H	H	SO ₂ (o-METHYLPHENYL)

Table 3 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4155	SO ₂ (o-METHYLPHENYL)	OCH ₃	SO ₂ (o-METHYLPHENYL)	H	SO ₂ (o-METHYLPHENYL)
4156	SO ₂ (o-METHYLPHENYL)	H	OCH ₃	H	H
4157	SO ₂ (o-METHYLPHENYL)	SO ₂ (o-METHYLPHENYL)	OCH ₃	H	H
4158	SO ₂ (o-METHYLPHENYL)	H	OCH ₃	SO ₂ (o-METHYLPHENYL)	H
4159	SO ₂ (o-METHYLPHENYL)	H	OCH ₃	H	SO ₂ (o-METHYLPHENYL)
4160	SO ₂ (o-METHYLPHENYL)	SO ₂ (o-METHYLPHENYL)	OCH ₃	SO ₂ (o-METHYLPHENYL)	H
4161	SO ₂ (o-METHYLPHENYL)	SO ₂ (o-METHYLPHENYL)	OCH ₃	H	SO ₂ (o-METHYLPHENYL)
4162	SO ₂ (o-METHYLPHENYL)	H	H	OCH ₃	H
4163	SO ₂ (o-METHYLPHENYL)	H	SO ₂ (o-METHYLPHENYL)	OCH ₃	H
4164	SO ₂ (o-METHYLPHENYL)	H	H	H	OCH ₃
4165	SO ₂ (o-METHYLPHENYL)	SO ₂ (o-METHYLPHENYL)	H	H	OCH ₃
4166	SO ₂ (o-METHYLPHENYL)	H	SO ₂ (o-METHYLPHENYL)	H	OCH ₃
4167	SO ₂ (o-METHYLPHENYL)	H	H	SO ₂ (o-METHYLPHENYL)	OCH ₃
4168	SO ₂ (o-METHYLPHENYL)	SO ₂ (o-METHYLPHENYL)	SO ₂ (o-METHYLPHENYL)	H	OCH ₃
4169	SO ₂ (o-METHYLPHENYL)	SO ₂ (o-METHYLPHENYL)	H	SO ₂ (o-METHYLPHENYL)	OCH ₃
4170	SO ₂ (o-METHYLPHENYL)	H	SO ₂ (o-METHYLPHENYL)	SO ₂ (o-METHYLPHENYL)	OCH ₃
4171	SO ₂ (o-METHYLPHENYL)	OH	H	H	H
4172	SO ₂ (o-METHYLPHENYL)	OH	SO ₂ (o-METHYLPHENYL)	H	H
4173	SO ₂ (o-METHYLPHENYL)	OH	H	SO ₂ (o-METHYLPHENYL)	H
4174	SO ₂ (o-METHYLPHENYL)	OH	H	H	SO ₂ (o-METHYLPHENYL)

Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4175	SO ₂ (o-METHYLPHENYL)	OH	SO ₂ (o-METHYLPHENYL)	H	SO ₂ (o-METHYLPHENYL)
4176	SO ₂ (o-METHYLPHENYL)	H	OH	H	H
4177	SO ₂ (o-METHYLPHENYL)	SO ₂ (o-METHYLPHENYL)	OH	H	H
4178	SO ₂ (o-METHYLPHENYL)	H	OH	SO ₂ (o-METHYLPHENYL)	H
4179	SO ₂ (o-METHYLPHENYL)	H	OH	H	SO ₂ (o-METHYLPHENYL)
4180	SO ₂ (o-METHYLPHENYL)	SO ₂ (o-METHYLPHENYL)	OH	SO ₂ (o-METHYLPHENYL)	H
4181	SO ₂ (o-METHYLPHENYL)	SO ₂ (o-METHYLPHENYL)	OH	H	SO ₂ (o-METHYLPHENYL)
4182	SO ₂ (o-METHYLPHENYL)	H	H	OH	H
4183	SO ₂ (o-METHYLPHENYL)	H	SO ₂ (o-METHYLPHENYL)	OH	H
4184	SO ₂ (o-METHYLPHENYL)	H	H	H	OH
4185	SO ₂ (o-METHYLPHENYL)	SO ₂ (o-METHYLPHENYL)	H	H	OH
4186	SO ₂ (o-METHYLPHENYL)	H	SO ₂ (o-METHYLPHENYL)	H	OH
4187	SO ₂ (o-METHYLPHENYL)	H	SO ₂ (o-METHYLPHENYL)	H	SO ₂ (o-METHYLPHENYL)
4188	SO ₂ (o-METHYLPHENYL)	SO ₂ (o-METHYLPHENYL)	SO ₂ (o-METHYLPHENYL)	H	OH
4189	SO ₂ (o-METHYLPHENYL)	SO ₂ (o-METHYLPHENYL)	H	SO ₂ (o-METHYLPHENYL)	OH
4190	SO ₂ (o-METHYLPHENYL)	H	SO ₂ (o-METHYLPHENYL)	SO ₂ (o-METHYLPHENYL)	OH
4191	SO ₂ (BENZYL)	H	H	H	H
4192	SO ₂ (BENZYL)	H	SO ₂ (BENZYL)	H	H
4193	SO ₂ (BENZYL)	H	H	H	SO ₂ (BENZYL)
4194	SO ₂ (BENZYL)	H	SO ₂ (BENZYL)	H	SO ₂ (BENZYL)

Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4195	SO ₂ (BENZYL)	CH ₃	H	H	H
4196	SO ₂ (BENZYL)	CH ₃	SO ₂ (BENZYL)	H	H
4197	SO ₂ (BENZYL)	CH ₃	H	H	SO ₂ (BENZYL)
4198	SO ₂ (BENZYL)	CH ₃	SO ₂ (BENZYL)	H	SO ₂ (BENZYL)
4199	SO ₂ (BENZYL)	H	CH ₃	H	H
4200	SO ₂ (BENZYL)	H	CH ₃	H	SO ₂ (BENZYL)
4201	SO ₂ (BENZYL)	H	H	CH ₃	H
4202	SO ₂ (BENZYL)	H	SO ₂ (BENZYL)	CH ₃	H
4203	SO ₂ (BENZYL)	H	H	H	CH ₃
4204	SO ₂ (BENZYL)	H	SO ₂ (BENZYL)	H	CH ₃
4205	SO ₂ (BENZYL)	C ₂ H ₅	H	H	H
4206	SO ₂ (BENZYL)	C ₂ H ₅	SO ₂ (BENZYL)	H	H
4207	SO ₂ (BENZYL)	C ₂ H ₅	H	H	SO ₂ CH ₃
4208	SO ₂ (BENZYL)	C ₂ H ₅	SO ₂ (BENZYL)	H	SO ₂ CH ₃
4209	SO ₂ (BENZYL)	H	C ₂ H ₆	H	H
4210	SO ₂ (BENZYL)	H	C ₂ H ₆	H	SO ₂ CH ₃
4211	SO ₂ (BENZYL)	H	H	C ₂ H ₆	H
4212	SO ₂ (BENZYL)	H	SO ₂ (BENZYL)	C ₂ H ₆	H
4213	SO ₂ (BENZYL)	H	H	C ₂ H ₆	C ₂ H ₅
4214	SO ₂ (BENZYL)	H	SO ₂ (BENZYL)	H	C ₂ H ₅

Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4215	SO ₂ (BENZYL)	⁹ C ₃ H ₇	H	H	H
4216	SO ₂ (BENZYL)	⁹ C ₃ H ₇	SO ₂ (BENZYL)	H	H
4217	SO ₂ (BENZYL)	⁹ C ₃ H ₇	H	H	SO ₂ (BENZYL)
4218	SO ₂ (BENZYL)	⁹ C ₃ H ₇	SO ₂ (BENZYL)	H	SO ₂ (BENZYL)
4219	SO ₂ (BENZYL)	H	⁹ C ₃ H ₇	H	H
4220	SO ₂ (BENZYL)	H	⁹ C ₃ H ₇	H	SO ₂ (BENZYL)
4221	SO ₂ (BENZYL)	H	H	⁹ C ₃ H ₇	H
4222	SO ₂ (BENZYL)	H	SO ₂ (BENZYL)	⁹ C ₃ H ₇	H
4223	SO ₂ (BENZYL)	H	H	H	⁹ C ₃ H ₇
4224	SO ₂ (BENZYL)	H	SO ₂ (BENZYL)	H	⁹ C ₃ H ₇
4225	SO ₂ (BENZYL)	¹ C ₃ H ₇	H	H	H
4226	SO ₂ (BENZYL)	¹ C ₃ H ₇	SO ₂ (BENZYL)	H	H
4227	SO ₂ (BENZYL)	¹ C ₃ H ₇	H	H	SO ₂ (BENZYL)
4228	SO ₂ (BENZYL)	¹ C ₃ H ₇	SO ₂ (BENZYL)	H	SO ₂ (BENZYL)
4229	SO ₂ (BENZYL)	H	¹ C ₃ H ₇	H	H
4230	SO ₂ (BENZYL)	H	¹ C ₃ H ₇	H	SO ₂ (BENZYL)
4231	SO ₂ (BENZYL)	H	H	¹ C ₃ H ₇	H
4232	SO ₂ (BENZYL)	H	SO ₂ (BENZYL)	¹ C ₃ H ₇	H
4233	SO ₂ (BENZYL)	H	H	¹ C ₃ H ₇	H
4234	SO ₂ (BENZYL)	H	SO ₂ (BENZYL)	H	¹ C ₃ H ₇

【Table 3】(Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4235	SO ₂ (BENZYL)	C ₁	H	H	H
4236	SO ₂ (BENZYL)	C ₁	SO ₂ (BENZYL)	H	H
4237	SO ₂ (BENZYL)	C ₁	H	H	SO ₂ (BENZYL)
4238	SO ₂ (BENZYL)	C ₁	SO ₂ (BENZYL)	H	SO ₂ (BENZYL)
4239	SO ₂ (BENZYL)	H	C ₁	H	H
4240	SO ₂ (BENZYL)	H	C ₁	H	SO ₂ (BENZYL)
4241	SO ₂ (BENZYL)	H	H	C ₁	H
4242	SO ₂ (BENZYL)	H	SO ₂ (BENZYL)	C ₁	H
4243	SO ₂ (BENZYL)	H	H	H	C ₁
4244	SO ₂ (BENZYL)	H	SO ₂ (BENZYL)	H	C ₁
4245	SO ₂ (BENZYL)	CH ₃	CH ₃	H	H
4246	SO ₂ (BENZYL)	CH ₃	CH ₃	H	SO ₂ (BENZYL)
4247	SO ₂ (BENZYL)	CH ₃	H	CH ₃	H
4248	SO ₂ (BENZYL)	CH ₃	SO ₂ (BENZYL)	CH ₃	SO ₂ (BENZYL)
4249	SO ₂ (BENZYL)	CH ₃	H	CH ₃	SO ₂ (BENZYL)
4250	SO ₂ (BENZYL)	CH ₃	SO ₂ (BENZYL)	CH ₃	SO ₂ (BENZYL)
4251	SO ₂ (BENZYL)	CH ₃	H	H	CH ₃
4252	SO ₂ (BENZYL)	CH ₃	SO ₂ (BENZYL)	H	CH ₃
4253	SO ₂ (BENZYL)	H	CH ₃	CH ₃	H
4254	SO ₂ (BENZYL)	H	CH ₃	CH ₃	SO ₂ (BENZYL)

Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4255	SO ₂ (BENZYL)	H	CH ₃	H	CH ₃
4256	SO ₂ (BENZYL)	H	H	CH ₃	CH ₃
4257	SO ₂ (BENZYL)	H	SO ₂ (BENZYL)	CH ₃	CH ₃
4258	SO ₂ (BENZYL)	OCH ₃	H	H	H
4259	SO ₂ (BENZYL)	OCH ₃	SO ₂ (BENZYL)	H	H
4260	SO ₂ (BENZYL)	OCH ₃	H	SO ₂ (BENZYL)	H
4261	SO ₂ (BENZYL)	OCH ₃	H	H	SO ₂ (BENZYL)
4262	SO ₂ (BENZYL)	OCH ₃	SO ₂ (BENZYL)	H	SO ₂ (BENZYL)
4263	SO ₂ (BENZYL)	H	OCH ₃	H	H
4264	SO ₂ (BENZYL)	SO ₂ (BENZYL)	OCH ₃	H	H
4265	SO ₂ (BENZYL)	H	OCH ₃	SO ₂ (BENZYL)	H
4266	SO ₂ (BENZYL)	H	OCH ₃	H	SO ₂ (BENZYL)
4267	SO ₂ (BENZYL)	SO ₂ (BENZYL)	OCH ₃	SO ₂ (BENZYL)	H
4268	SO ₂ (BENZYL)	SO ₂ (BENZYL)	OCH ₃	H	SO ₂ (BENZYL)
4269	SO ₂ (BENZYL)	H	H	OCH ₃	H
4270	SO ₂ (BENZYL)	H	SO ₂ (BENZYL)	OCH ₃	H
4271	SO ₂ (BENZYL)	H	H	H	OCH ₃
4272	SO ₂ (BENZYL)	SO ₂ (BENZYL)	H	H	OCH ₃
4273	SO ₂ (BENZYL)	H	SO ₂ (BENZYL)	H	OCH ₃
4274	SO ₂ (BENZYL)	H	H	SO ₂ (BENZYL)	OCH ₃

[Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4275	SO ₂ (BENZYL)	SO ₂ (BENZYL)	SO ₂ (BENZYL)	H	OCH ₃
4276	SO ₂ (BENZYL)	SO ₂ (BENZYL)	H	SO ₂ (BENZYL)	OCH ₃
4277	SO ₂ (BENZYL)	H	SO ₂ (BENZYL)	SO ₂ (BENZYL)	OCH ₃
4278	SO ₂ (BENZYL)	OH	H	H	H
4279	SO ₂ (BENZYL)	OH	SO ₂ (BENZYL)	H	H
4280	SO ₂ (BENZYL)	OH	H	SO ₂ (BENZYL)	H
4281	SO ₂ (BENZYL)	OH	H	H	SO ₂ (BENZYL)
4282	SO ₂ (BENZYL)	OH	SO ₂ (BENZYL)	H	SO ₂ (BENZYL)
4283	SO ₂ (BENZYL)	H	OH	H	H
4284	SO ₂ (BENZYL)	SO ₂ (BENZYL)	OH	H	H
4285	SO ₂ (BENZYL)	H	OH	SO ₂ (BENZYL)	H
4286	SO ₂ (BENZYL)	H	OH	H	SO ₂ (BENZYL)
4287	SO ₂ (BENZYL)	SO ₂ (BENZYL)	OH	SO ₂ (BENZYL)	H
4288	SO ₂ (BENZYL)	SO ₂ (BENZYL)	OH	H	SO ₂ (BENZYL)
4289	SO ₂ (BENZYL)	H	H	OH	H
4290	SO ₂ (BENZYL)	H	SO ₂ (BENZYL)	OH	H
4291	SO ₂ (BENZYL)	H	H	H	OH
4292	SO ₂ (BENZYL)	SO ₂ (BENZYL)	H	H	OH
4293	SO ₂ (BENZYL)	H	SO ₂ (BENZYL)	H	OH
4294	SO ₂ (BENZYL)	H	H	SO ₂ (BENZYL)	OH

Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4295	SO ₂ (BENZYL)	SO ₂ (BENZYL)	SO ₂ (BENZYL)	H	OH
4296	SO ₂ (BENZYL)	SO ₂ (BENZYL)	H	SO ₂ (BENZYL)	OH
4297	SO ₂ (BENZYL)	H	SO ₂ (BENZYL)	SO ₂ (BENZYL)	OH
4298	SO ₂ (PHENETHYL)	H	H	H	H
4299	SO ₂ (PHENETHYL)	H	SO ₂ (PHENETHYL)	H	H
4300	SO ₂ (PHENETHYL)	H	H	H	SO ₂ (PHENETHYL)
4301	SO ₂ (PHENETHYL)	H	SO ₂ (PHENETHYL)	H	SO ₂ (PHENETHYL)
4302	SO ₂ (PHENETHYL)	CH ₃	H	H	H
4303	SO ₂ (PHENETHYL)	CH ₃	SO ₂ (PHENETHYL)	H	H
4304	SO ₂ (PHENETHYL)	CH ₃	H	H	SO ₂ (PHENETHYL)
4305	SO ₂ (PHENETHYL)	CH ₃	SO ₂ (PHENETHYL)	H	SO ₂ (PHENETHYL)
4306	SO ₂ (PHENETHYL)	H	CH ₃	H	H
4307	SO ₂ (PHENETHYL)	H	CH ₃	H	SO ₂ (PHENETHYL)
4308	SO ₂ (PHENETHYL)	H	H	CH ₃	H
4309	SO ₂ (PHENETHYL)	H	SO ₂ (PHENETHYL)	CH ₃	H
4310	SO ₂ (PHENETHYL)	H	H	H	CH ₃
4311	SO ₂ (PHENETHYL)	H	SO ₂ (PHENETHYL)	H	CH ₃
4312	SO ₂ (PHENETHYL)	C ₂ H ₅	H	H	H
4313	SO ₂ (PHENETHYL)	C ₂ H ₅	SO ₂ (PHENETHYL)	H	H
4314	SO ₂ (PHENETHYL)	C ₂ H ₅	H	H	SO ₂ (PHENETHYL)

Table 31 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4315	SO ₂ (PHENETHYL)	C ₂ H ₅	SO ₂ (PHENETHYL)	H	SO ₂ (PHENETHYL)
4316	SO ₂ (PHENETHYL)	H	C ₂ H ₅	H	H
4317	SO ₂ (PHENETHYL)	H	C ₂ H ₅	H	SO ₂ (PHENETHYL)
4318	SO ₂ (PHENETHYL)	H	H	C ₂ H ₅	H
4319	SO ₂ (PHENETHYL)	H	SO ₂ (PHENETHYL)	C ₂ H ₅	H
4320	SO ₂ (PHENETHYL)	H	H	H	C ₂ H ₅
4321	SO ₂ (PHENETHYL)	H	SO ₂ (PHENETHYL)	H	C ₂ H ₅
4322	SO ₂ (PHENETHYL)	ⁿ C ₃ H ₇	H	H	H
4323	SO ₂ (PHENETHYL)	ⁿ C ₃ H ₇	SO ₂ (PHENETHYL)	H	H
4324	SO ₂ (PHENETHYL)	ⁿ C ₃ H ₇	H	H	SO ₂ (PHENETHYL)
4325	SO ₂ (PHENETHYL)	ⁿ C ₃ H ₇	SO ₂ (PHENETHYL)	H	SO ₂ (PHENETHYL)
4326	SO ₂ (PHENETHYL)	H	ⁿ C ₃ H ₇	H	H
4327	SO ₂ (PHENETHYL)	H	ⁿ C ₃ H ₇	H	SO ₂ (PHENETHYL)
4328	SO ₂ (PHENETHYL)	H	H	ⁿ C ₃ H ₇	H
4329	SO ₂ (PHENETHYL)	H	SO ₂ (PHENETHYL)	ⁿ C ₃ H ₇	H
4330	SO ₂ (PHENETHYL)	H	H	ⁿ C ₃ H ₇	ⁿ C ₃ H ₇
4331	SO ₂ (PHENETHYL)	H	SO ₂ (PHENETHYL)	H	ⁿ C ₃ H ₇
4332	SO ₂ (PHENETHYL)	^t C ₃ H ₇	H	H	H
4333	SO ₂ (PHENETHYL)	^t C ₃ H ₇	SO ₂ (PHENETHYL)	H	SO ₂ (PHENETHYL)
4334	SO ₂ (PHENETHYL)	^t C ₃ H ₇	H	H	

Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4335	SO ₂ (PHENETHYL)	¹ C ₃ H ₇	SO ₂ (PHENETHYL)	H	SO ₂ (PHENETHYL)
4336	SO ₂ (PHENETHYL)	H	¹ C ₃ H ₇	H	H
4337	SO ₂ (PHENETHYL)	H	¹ C ₃ H ₇	H	SO ₂ (PHENETHYL)
4338	SO ₂ (PHENETHYL)	H	H	¹ C ₃ H ₇	H
4339	SO ₂ (PHENETHYL)	H	SO ₂ (PHENETHYL)	¹ C ₃ H ₇	H
4340	SO ₂ (PHENETHYL)	H	H	H	¹ C ₆ H ₇
4341	SO ₂ (PHENETHYL)	H	SO ₂ (PHENETHYL)	H	¹ C ₆ H ₇
4342	SO ₂ (PHENETHYL)	C1	H	H	H
4343	SO ₂ (PHENETHYL)	C1	SO ₂ (PHENETHYL)	H	H
4344	SO ₂ (PHENETHYL)	C1	H	H	SO ₂ (PHENETHYL)
4345	SO ₂ (PHENETHYL)	C1	SO ₂ (PHENETHYL)	H	SO ₂ (PHENETHYL)
4346	SO ₂ (PHENETHYL)	H	C1	H	H
4347	SO ₂ (PHENETHYL)	H	C1	H	SO ₂ (PHENETHYL)
4348	SO ₂ (PHENETHYL)	H	H	C1	H
4349	SO ₂ (PHENETHYL)	H	SO ₂ (PHENETHYL)	C1	H
4350	SO ₂ (PHENETHYL)	H	H	H	C1
4351	SO ₂ (PHENETHYL)	H	SO ₂ (PHENETHYL)	H	C1
4352	SO ₂ (PHENETHYL)	CH ₃	CH ₃	H	H
4353	SO ₂ (PHENETHYL)	CH ₃	H	H	SO ₂ (PHENETHYL)
4354	SO ₂ (PHENETHYL)	CH ₃	H	CH ₃	H

[Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4355	SO ₂ (PHENETHYL)	CH ₃	SO ₂ (PHENETHYL)	CH ₃	H
4356	SO ₂ (PHENETHYL)	CH ₅	H	CH ₃	SO ₂ (PHENETHYL)
4357	SO ₂ (PHENETHYL)	CH ₃	SO ₂ (PHENETHYL)	CH ₃	SO ₂ (PHENETHYL)
4358	SO ₂ (PHENETHYL)	CH ₃	H	H	CH ₃
4359	SO ₂ (PHENETHYL)	CH ₅	SO ₂ (PHENETHYL)	H	CH ₃
4360	SO ₂ (PHENETHYL)	H	CH ₃	CH ₃	H
4361	SO ₂ (PHENETHYL)	H	CH ₃	CH ₃	SO ₂ (PHENETHYL)
4362	SO ₂ (PHENETHYL)	H	CH ₃	H	CH ₃
4363	SO ₂ (PHENETHYL)	H	H	CH ₃	CH ₃
4364	SO ₂ (PHENETHYL)	H	SO ₂ (PHENETHYL)	CH ₃	CH ₃
4365	SO ₂ (PHENETHYL)	OCH ₃	H	H	H
4366	SO ₂ (PHENETHYL)	OCH ₃	SO ₂ (PHENETHYL)	H	H
4367	SO ₂ (PHENETHYL)	OCH ₃	H	SO ₂ (PHENETHYL)	H
4368	SO ₂ (PHENETHYL)	OCH ₃	H	H	SO ₂ (PHENETHYL)
4369	SO ₂ (PHENETHYL)	OCH ₃	SO ₂ (PHENETHYL)	H	SO ₂ (PHENETHYL)
4370	SO ₂ (PHENETHYL)	H	OCH ₃	H	H
4371	SO ₂ (PHENETHYL)	SO ₂ (PHENETHYL)	OCH ₃	H	H
4372	SO ₂ (PHENETHYL)	H	OCH ₃	SO ₂ (PHENETHYL)	H
4373	SO ₂ (PHENETHYL)	H	OCH ₃	H	SO ₂ (PHENETHYL)
4374	SO ₂ (PHENETHYL)	SO ₂ (PHENETHYL)	OCH ₃	SO ₂ (PHENETHYL)	H

Table 31 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4375	SO ₂ (PHENETHYL)	SO ₂ (PHENETHYL)	OCH ₃	H	SO ₂ (PHENETHYL)
4376	SO ₂ (PHENETHYL)	H	H	OCH ₃	H
4377	SO ₂ (PHENETHYL)	H	SO ₂ (PHENETHYL)	OCH ₃	H
4378	SO ₂ (PHENETHYL)	H	H	H	OCH ₃
4379	SO ₂ (PHENETHYL)	SO ₂ (PHENETHYL)	H	H	OCH ₃
4380	SO ₂ (PHENETHYL)	H	SO ₂ (PHENETHYL)	H	OCH ₃
4381	SO ₂ (PHENETHYL)	H	H	SO ₂ (PHENETHYL)	OCH ₃
4382	SO ₂ (PHENETHYL)	SO ₂ (PHENETHYL)	SO ₂ (PHENETHYL)	H	OCH ₃
4383	SO ₂ (PHENETHYL)	SO ₂ (PHENETHYL)	H	SO ₂ (PHENETHYL)	OCH ₃
4384	SO ₂ (PHENETHYL)	H	SO ₂ (PHENETHYL)	SO ₂ (PHENETHYL)	OCH ₃
4385	SO ₂ (PHENETHYL)	OH	H	H	H
4386	SO ₂ (PHENETHYL)	OH	SO ₂ (PHENETHYL)	H	H
4387	SO ₂ (PHENETHYL)	OH	H	SO ₂ (PHENETHYL)	H
4388	SO ₂ (PHENETHYL)	OH	H	H	SO ₂ (PHENETHYL)
4389	SO ₂ (PHENETHYL)	OH	SO ₂ (PHENETHYL)	H	SO ₂ (PHENETHYL)
4390	SO ₂ (PHENETHYL)	H	OH	H	H
4391	SO ₂ (PHENETHYL)	SO ₂ (PHENETHYL)	OH	H	H
4392	SO ₂ (PHENETHYL)	H	OH	SO ₂ (PHENETHYL)	H
4393	SO ₂ (PHENETHYL)	H	OH	H	SO ₂ (PHENETHYL)
4394	SO ₂ (PHENETHYL)	SO ₂ (PHENETHYL)	OH	SO ₂ (PHENETHYL)	H

Table 31 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4395	SO ₂ (PHENETHYL)	SO ₂ (PHENETHYL)	OH	H	SO ₂ (PHENETHYL)
4396	SO ₂ (PHENETHYL)	H	H	OH	H
4397	SO ₂ (PHENETHYL)	H	SO ₂ (PHENETHYL)	OH	H
4398	SO ₂ (PHENETHYL)	H	H	H	OH
4399	SO ₂ (PHENETHYL)	SO ₂ (PHENETHYL)	H	H	OH
4400	SO ₂ (PHENETHYL)	H	SO ₂ (PHENETHYL)	H	OH
4401	SO ₂ (PHENETHYL)	H	H	SO ₂ (PHENETHYL)	OH
4402	SO ₂ (PHENETHYL)	SO ₂ (PHENETHYL)	SO ₂ (PHENETHYL)	H	OH
4403	SO ₂ (PHENETHYL)	SO ₂ (PHENETHYL)	H	SO ₂ (PHENETHYL)	OH
4404	SO ₂ (PHENETHYL)	H	SO ₂ (PHENETHYL)	SO ₂ (PHENETHYL)	OH
4405	SO ₂ (1-NAPHTHYL)	H	H	H	H
4406	SO ₂ (1-NAPHTHYL)	H	SO ₂ (1-NAPHTHYL)	H	H
4407	SO ₂ (1-NAPHTHYL)	H	H	H	SO ₂ (1-NAPHTHYL)
4408	SO ₂ (1-NAPHTHYL)	H	SO ₂ (1-NAPHTHYL)	H	SO ₂ (1-NAPHTHYL)
4409	SO ₂ (1-NAPHTHYL)	CH ₃	H	H	H
4410	SO ₂ (1-NAPHTHYL)	CH ₃	SO ₂ (1-NAPHTHYL)	H	H
4411	SO ₂ (1-NAPHTHYL)	CH ₃	H	H	SO ₂ (1-NAPHTHYL)
4412	SO ₂ (1-NAPHTHYL)	CH ₃	SO ₂ (1-NAPHTHYL)	H	SO ₂ (1-NAPHTHYL)
4413	SO ₂ (1-NAPHTHYL)	H	CH ₃	H	H
4414	SO ₂ (1-NAPHTHYL)	H	CH ₃	H	SO ₂ (1-NAPHTHYL)

Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4415	SO ₂ (1-NAPHTHYL)	H	H	CH ₃	H
4416	SO ₂ (1-NAPHTHYL)	H	SO ₂ (1-NAPHTHYL)	CH ₃	H
4417	SO ₂ (1-NAPHTHYL)	H	H	H	CH ₃
4418	SO ₂ (1-NAPHTHYL)	H	SO ₂ (1-NAPHTHYL)	H	CH ₃
4419	SO ₂ (1-NAPHTHYL)	C ₂ H ₅	H	H	H
4420	SO ₂ (1-NAPHTHYL)	C ₂ H ₅	SO ₂ CH ₃	H	H
4421	SO ₂ (1-NAPHTHYL)	C ₂ H ₅	H	H	SO ₂ (1-NAPHTHYL)
4422	SO ₂ (1-NAPHTHYL)	C ₂ H ₅	SO ₂ (1-NAPHTHYL)	H	SO ₂ (1-NAPHTHYL)
4423	SO ₂ (1-NAPHTHYL)	H	C ₂ H ₅	H	H
4424	SO ₂ (1-NAPHTHYL)	H	C ₂ H ₅	H	SO ₂ (1-NAPHTHYL)
4425	SO ₂ (1-NAPHTHYL)	H	H	C ₂ H ₅	H
4426	SO ₂ (1-NAPHTHYL)	H	SO ₂ (1-NAPHTHYL)	C ₂ H ₅	H
4427	SO ₂ (1-NAPHTHYL)	H	H	H	C ₂ H ₅
4428	SO ₂ (1-NAPHTHYL)	H	SO ₂ (1-NAPHTHYL)	H	C ₂ H ₅
4429	SO ₂ (1-NAPHTHYL)	H	H	H	H
4430	SO ₂ (1-NAPHTHYL)	SO ₂ (1-NAPHTHYL)	H	H	H
4431	SO ₂ (1-NAPHTHYL)	H	H	H	SO ₂ (1-NAPHTHYL)
4432	SO ₂ (1-NAPHTHYL)	SO ₂ (1-NAPHTHYL)	H	H	SO ₂ (1-NAPHTHYL)
4433	SO ₂ (1-NAPHTHYL)	H	ⁿ C ₃ H ₇	H	H
4434	SO ₂ (1-NAPHTHYL)	H	^v C ₃ H ₇	H	SO ₂ (1-NAPHTHYL)

Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4435	SO ₂ (1-NAPHTHYL)	H	H	ⁿ C ₃ H ₇	H
4436	SO ₂ (1-NAPHTHYL)	H	SO ₂ (1-NAPHTHYL)	ⁿ C ₃ H ₇	H
4437	SO ₂ (1-NAPHTHYL)	H	H	H	ⁿ C ₃ H ₇
4438	SO ₂ (1-NAPHTHYL)	H	SO ₂ (1-NAPHTHYL)	H	ⁿ C ₃ H ₇
4439	SO ₂ (1-NAPHTHYL)	¹ C ₃ H ₇	H	H	H
4440	SO ₂ (1-NAPHTHYL)	¹ C ₃ H ₇	SO ₂ (1-NAPHTHYL)	H	H
4441	SO ₂ (1-NAPHTHYL)	¹ C ₃ H ₇	H	H	SO ₂ (1-NAPHTHYL)
4442	SO ₂ (1-NAPHTHYL)	¹ C ₃ H ₇	SO ₂ (1-NAPHTHYL)	H	SO ₂ (1-NAPHTHYL)
4443	SO ₂ (1-NAPHTHYL)	H	¹ C ₃ H ₇	H	H
4444	SO ₂ (1-NAPHTHYL)	H	¹ C ₃ H ₇	H	SO ₂ (1-NAPHTHYL)
4445	SO ₂ (1-NAPHTHYL)	H	H	¹ C ₃ H ₇	H
4446	SO ₂ (1-NAPHTHYL)	H	SO ₂ (1-NAPHTHYL)	¹ C ₃ H ₇	H
4447	SO ₂ (1-NAPHTHYL)	H	H	¹ C ₃ H ₇	H
4448	SO ₂ (1-NAPHTHYL)	H	SO ₂ (1-NAPHTHYL)	¹ C ₃ H ₇	H
4449	SO ₂ (1-NAPHTHYL)	C1	H	¹ C ₃ H ₇	H
4450	SO ₂ (1-NAPHTHYL)	C1	SO ₂ (1-NAPHTHYL)	¹ C ₃ H ₇	H
4451	SO ₂ (1-NAPHTHYL)	C1	H	¹ C ₃ H ₇	SO ₂ (1-NAPHTHYL)
4452	SO ₂ (1-NAPHTHYL)	C1	SO ₂ (1-NAPHTHYL)	¹ C ₃ H ₇	SO ₂ (1-NAPHTHYL)
4453	SO ₂ (1-NAPHTHYL)	H	C1	H	H
4454	SO ₂ (1-NAPHTHYL)	H	C1	H	SO ₂ (1-NAPHTHYL)

Table 31 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4455	SO ₂ (1-NAPHTHYL)	H	H	C1	H
4456	SO ₂ (1-NAPHTHYL)	H	SO ₂ (1-NAPHTHYL)	C1	H
4457	SO ₂ (1-NAPHTHYL)	H	H	H	C1
4458	SO ₂ (1-NAPHTHYL)	H	SO ₂ (1-NAPHTHYL)	H	C1
4459	SO ₂ (1-NAPHTHYL)	CH ₃	CH ₃	H	H
4460	SO ₂ (1-NAPHTHYL)	CH ₃	CH ₃	H	SO ₂ (1-NAPHTHYL)
4461	SO ₂ (1-NAPHTHYL)	CH ₃	H	CH ₃	H
4462	SO ₂ (1-NAPHTHYL)	CH ₃	SO ₂ (1-NAPHTHYL)	CH ₃	H
4463	SO ₂ (1-NAPHTHYL)	CH ₃	H	CH ₃	SO ₂ (1-NAPHTHYL)
4464	SO ₂ (1-NAPHTHYL)	CH ₃	SO ₂ (1-NAPHTHYL)	CH ₃	SO ₂ (1-NAPHTHYL)
4465	SO ₂ (1-NAPHTHYL)	CH ₃	H	H	CH ₃
4466	SO ₂ (1-NAPHTHYL)	CH ₃	SO ₂ (1-NAPHTHYL)	H	CH ₃
4467	SO ₂ (1-NAPHTHYL)	H	CH ₃	CH ₃	H
4468	SO ₂ (1-NAPHTHYL)	H	CH ₃	CH ₃	SO ₂ (1-NAPHTHYL)
4469	SO ₂ (1-NAPHTHYL)	H	CH ₃	H	CH ₃
4470	SO ₂ (1-NAPHTHYL)	H	H	CH ₃	CH ₃
4471	SO ₂ (1-NAPHTHYL)	H	SO ₂ (1-NAPHTHYL)	CH ₃	CH ₃
4472	SO ₂ (1-NAPHTHYL)	OCH ₃	H	H	H
4473	SO ₂ (1-NAPHTHYL)	OCH ₃	SO ₂ (1-NAPHTHYL)	H	H
4474	SO ₂ (1-NAPHTHYL)	OCH ₃	H	SO ₂ (1-NAPHTHYL)	H

Table 31 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4475	SO ₂ (1-NAPHTHYL)	OCH ₃	H	H	SO ₂ (1-NAPHTHYL)
4476	SO ₂ (1-NAPHTHYL)	OCH ₃	SO ₂ (1-NAPHTHYL)	H	SO ₂ (1-NAPHTHYL)
4477	SO ₂ (1-NAPHTHYL)	H	OCH ₃	H	H
4478	SO ₂ (1-NAPHTHYL)	SO ₂ (1-NAPHTHYL)	OCH ₃	H	H
4479	SO ₂ (1-NAPHTHYL)	H	OCH ₃	SO ₂ (1-NAPHTHYL)	H
4480	SO ₂ (1-NAPHTHYL)	H	OCH ₃	H	SO ₂ (1-NAPHTHYL)
4481	SO ₂ (1-NAPHTHYL)	SO ₂ (1-NAPHTHYL)	OCH ₃	SO ₂ (1-NAPHTHYL)	H
4482	SO ₂ (1-NAPHTHYL)	SO ₂ (1-NAPHTHYL)	OCH ₃	H	SO ₂ (1-NAPHTHYL)
4483	SO ₂ (1-NAPHTHYL)	H	H	OCH ₃	H
4484	SO ₂ (1-NAPHTHYL)	H	SO ₂ (1-NAPHTHYL)	OCH ₃	H
4485	SO ₂ (1-NAPHTHYL)	H	H	H	OCH ₃
4486	SO ₂ (1-NAPHTHYL)	SO ₂ (1-NAPHTHYL)	H	H	OCH ₃
4487	SO ₂ (1-NAPHTHYL)	H	SO ₂ (1-NAPHTHYL)	H	OCH ₃
4488	SO ₂ (1-NAPHTHYL)	H	H	SO ₂ (1-NAPHTHYL)	OCH ₃
4489	SO ₂ (1-NAPHTHYL)	SO ₂ (1-NAPHTHYL)	SO ₂ (1-NAPHTHYL)	H	OCH ₃
4490	SO ₂ (1-NAPHTHYL)	SO ₂ (1-NAPHTHYL)	H	SO ₂ (1-NAPHTHYL)	OCH ₃
4491	SO ₂ (1-NAPHTHYL)	H	SO ₂ (1-NAPHTHYL)	SO ₂ (1-NAPHTHYL)	OCH ₃
4492	SO ₂ (1-NAPHTHYL)	OH	H	H	H
4493	SO ₂ (1-NAPHTHYL)	OH	SO ₂ (1-NAPHTHYL)	H	H
4494	SO ₂ (1-NAPHTHYL)	OH	H	SO ₂ (1-NAPHTHYL)	H

Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4495	SO ₂ (1-NAPHTHYL)	OH	H	H	SO ₂ (1-NAPHTHYL)
4496	SO ₂ (1-NAPHTHYL)	OH	SO ₂ (1-NAPHTHYL)	H	SO ₂ (1-NAPHTHYL)
4497	SO ₂ (1-NAPHTHYL)	H	OH	H	H
4498	SO ₂ (1-NAPHTHYL)	SO ₂ (1-NAPHTHYL)	OH	H	H
4499	SO ₂ (1-NAPHTHYL)	H	OH	SO ₂ (1-NAPHTHYL)	H
4500	SO ₂ (1-NAPHTHYL)	H	OH	H	SO ₂ (1-NAPHTHYL)
4501	SO ₂ (1-NAPHTHYL)	SO ₂ (1-NAPHTHYL)	OH	SO ₂ (1-NAPHTHYL)	H
4502	SO ₂ (1-NAPHTHYL)	SO ₂ (1-NAPHTHYL)	OH	H	SO ₂ (1-NAPHTHYL)
4503	SO ₂ (1-NAPHTHYL)	H	H	OH	H
4504	SO ₂ (1-NAPHTHYL)	H	SO ₂ (1-NAPHTHYL)	OH	H
4505	SO ₂ (1-NAPHTHYL)	H	H	H	OH
4506	SO ₂ (1-NAPHTHYL)	SO ₂ (1-NAPHTHYL)	H	H	OH
4507	SO ₂ (1-NAPHTHYL)	H	SO ₂ (1-NAPHTHYL)	H	OH
4508	SO ₂ (1-NAPHTHYL)	H	H	SO ₂ (1-NAPHTHYL)	OH
4509	SO ₂ (1-NAPHTHYL)	SO ₂ (1-NAPHTHYL)	SO ₂ (1-NAPHTHYL)	H	OH
4510	SO ₂ (1-NAPHTHYL)	SO ₂ (1-NAPHTHYL)	H	SO ₂ (1-NAPHTHYL)	OH
4511	SO ₂ (1-NAPHTHYL)	H	SO ₂ (1-NAPHTHYL)	SO ₂ (1-NAPHTHYL)	OH
4512	SO ₂ (2-NAPHTHYL)	H	H	H	H
4513	SO ₂ (2-NAPHTHYL)	H	SO ₂ (2-NAPHTHYL)	H	H
4514	SO ₂ (2-NAPHTHYL)	H	H	H	SO ₂ (2-NAPHTHYL)

Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4515	SO ₂ (2-NAPHTHYL)	H	SO ₂ (2-NAPHTHYL)	H	SO ₂ (2-NAPHTHYL)
4516	SO ₂ (2-NAPHTHYL)	Cl ₃	H	H	H
4517	SO ₂ (2-NAPHTHYL)	Cl ₃	SO ₂ (2-NAPHTHYL)	H	H
4518	SO ₂ (2-NAPHTHYL)	Cl ₃	H	H	SO ₂ (2-NAPHTHYL)
4519	SO ₂ (2-NAPHTHYL)	Cl ₃	SO ₂ (2-NAPHTHYL)	H	SO ₂ (2-NAPHTHYL)
4520	SO ₂ (2-NAPHTHYL)	H	CH ₃	H	H
4521	SO ₂ (2-NAPHTHYL)	H	CH ₃	H	SO ₂ (2-NAPHTHYL)
4522	SO ₂ (2-NAPHTHYL)	H	H	CH ₃	H
4523	SO ₂ (2-NAPHTHYL)	H	SO ₂ (2-NAPHTHYL)	CH ₃	H
4524	SO ₂ (2-NAPHTHYL)	H	H	H	CH ₃
4525	SO ₂ (2-NAPHTHYL)	H	SO ₂ (2-NAPHTHYL)	H	CH ₃
4526	SO ₂ (2-NAPHTHYL)	C ₂ H ₅	H	H	H
4527	SO ₂ (2-NAPHTHYL)	C ₂ H ₅	SO ₂ (2-NAPHTHYL)	H	H
4528	SO ₂ (2-NAPHTHYL)	C ₂ H ₅	H	H	SO ₂ (2-NAPHTHYL)
4529	SO ₂ (2-NAPHTHYL)	C ₂ H ₆	SO ₂ (2-NAPHTHYL)	H	SO ₂ (2-NAPHTHYL)
4530	SO ₂ (2-NAPHTHYL)	H	C ₂ H ₅	H	H
4531	SO ₂ (2-NAPHTHYL)	H	C ₂ H ₅	H	SO ₂ (2-NAPHTHYL)
4532	SO ₂ (2-NAPHTHYL)	H	H	C ₂ H ₅	H
4533	SO ₂ (2-NAPHTHYL)	H	SO ₂ (2-NAPHTHYL)	C ₂ H ₅	H
4534	SO ₂ (2-NAPHTHYL)	H	H	H	C ₂ H ₅

Table 31 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4535	SO ₂ (2-NAPHTHYL)	H	SO ₂ (2-NAPHTHYL)	H	C ₂ H ₅
4536	SO ₂ (2-NAPHTHYL)	ⁿ C ₃ H ₇	H	H	H
4537	SO ₂ (2-NAPHTHYL)	ⁿ C ₃ H ₇	SO ₂ (2-NAPHTHYL)	H	H
4538	SO ₂ (2-NAPHTHYL)	ⁿ C ₃ H ₇	H	H	SO ₂ (2-NAPHTHYL)
4539	SO ₂ (2-NAPHTHYL)	ⁿ C ₃ H ₇	SO ₂ (2-NAPHTHYL)	H	SO ₂ (2-NAPHTHYL)
4540	SO ₂ (2-NAPHTHYL)	H	ⁿ C ₃ H ₇	H	H
4541	SO ₂ (2-NAPHTHYL)	H	ⁿ C ₃ H ₇	H	SO ₂ (2-NAPHTHYL)
4542	SO ₂ (2-NAPHTHYL)	H	H	ⁿ C ₃ H ₇	H
4543	SO ₂ (2-NAPHTHYL)	H	SO ₂ (2-NAPHTHYL)	ⁿ C ₃ H ₇	H
4544	SO ₂ (2-NAPHTHYL)	H	H	ⁿ C ₃ H ₇	H
4545	SO ₂ (2-NAPHTHYL)	H	SO ₂ (2-NAPHTHYL)	H	ⁿ C ₃ H ₇
4546	SO ₂ (2-NAPHTHYL)	^l C ₃ H ₇	H	H	H
4547	SO ₂ (2-NAPHTHYL)	^l C ₃ H ₇	SO ₂ (2-NAPHTHYL)	H	ⁿ C ₃ H ₇
4548	SO ₂ (2-NAPHTHYL)	^l C ₃ H ₇	H	H	ⁿ C ₃ H ₇
4549	SO ₂ (2-NAPHTHYL)	^l C ₃ H ₇	SO ₂ (2-NAPHTHYL)	H	H
4550	SO ₂ (2-NAPHTHYL)	H	^l C ₃ H ₇	H	H
4551	SO ₂ (2-NAPHTHYL)	H	^l C ₃ H ₇	H	SO ₂ (2-NAPHTHYL)
4552	SO ₂ (2-NAPHTHYL)	H	H	^l C ₃ H ₇	H
4553	SO ₂ (2-NAPHTHYL)	H	SO ₂ (2-NAPHTHYL)	^l C ₃ H ₇	H
4554	SO ₂ (2-NAPHTHYL)	H	H	^l C ₃ H ₇	

Table 3 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4555	SO ₂ (2-NAPHTHYL)	H	SO ₂ (2-NAPHTHYL)	H	¹ C ₆ H ₅
4556	SO ₂ (2-NAPHTHYL)	C ₁	H	H	H
4557	SO ₂ (2-NAPHTHYL)	C ₁	SO ₂ (2-NAPHTHYL)	H	H
4558	SO ₂ (2-NAPHTHYL)	C ₁	H	H	SO ₂ (2-NAPHTHYL)
4559	SO ₂ (2-NAPHTHYL)	C ₁	SO ₂ (2-NAPHTHYL)	H	SO ₂ (2-NAPHTHYL)
4560	SO ₂ (2-NAPHTHYL)	H	C ₁	H	H
4561	SO ₂ (2-NAPHTHYL)	H	C ₁	H	SO ₂ (2-NAPHTHYL)
4562	SO ₂ (2-NAPHTHYL)	H	H	C ₁	H
4563	SO ₂ (2-NAPHTHYL)	H	SO ₂ (2-NAPHTHYL)	C ₁	H
4564	SO ₂ (2-NAPHTHYL)	H	H	H	C ₁
4565	SO ₂ (2-NAPHTHYL)	H	SO ₂ (2-NAPHTHYL)	H	C ₁
4566	SO ₂ (2-NAPHTHYL)	CH ₃	CH ₃	H	H
4567	SO ₂ (2-NAPHTHYL)	CH ₃	CH ₃	H	SO ₂ (2-NAPHTHYL)
4568	SO ₂ (2-NAPHTHYL)	CH ₃	H	CH ₃	H
4569	SO ₂ (2-NAPHTHYL)	CH ₃	SO ₂ (2-NAPHTHYL)	CH ₃	H
4570	SO ₂ (2-NAPHTHYL)	CH ₃	H	CH ₃	SO ₂ (2-NAPHTHYL)
4571	SO ₂ (2-NAPHTHYL)	CH ₃	SO ₂ (2-NAPHTHYL)	CH ₃	SO ₂ (2-NAPHTHYL)
4572	SO ₂ (2-NAPHTHYL)	CH ₃	H	H	CH ₃
4573	SO ₂ (2-NAPHTHYL)	CH ₃	SO ₂ (2-NAPHTHYL)	H	CH ₃
4574	SO ₂ (2-NAPHTHYL)	H	CH ₃	CH ₃	H

Table 31 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4575	SO ₂ (2-NAPHTHYL)	H	CH ₃	CH ₃	SO ₂ (2-NAPHTHYL)
4576	SO ₂ (2-NAPHTHYL)	H	CH ₃	H	CH ₃
4577	SO ₂ (2-NAPHTHYL)	H	H	CH ₃	CH ₃
4578	SO ₂ (2-NAPHTHYL)	H	SO ₂ (2-NAPHTHYL)	CH ₃	CH ₃
4579	SO ₂ (2-NAPHTHYL)	OCH ₃	H	H	H
4580	SO ₂ (2-NAPHTHYL)	OCH ₃	SO ₂ (2-NAPHTHYL)	H	H
4581	SO ₂ (2-NAPHTHYL)	OCH ₃	H	SO ₂ (2-NAPHTHYL)	H
4582	SO ₂ (2-NAPHTHYL)	OCH ₃	H	H	SO ₂ (2-NAPHTHYL)
4583	SO ₂ (2-NAPHTHYL)	OCH ₃	SO ₂ (2-NAPHTHYL)	H	SO ₂ (2-NAPHTHYL)
4584	SO ₂ (2-NAPHTHYL)	H	OCH ₃	H	H
4585	SO ₂ (2-NAPHTHYL)	SO ₂ CH ₃	OCH ₃	H	H
4586	SO ₂ (2-NAPHTHYL)	H	OCH ₃	SO ₂ (2-NAPHTHYL)	H
4587	SO ₂ (2-NAPHTHYL)	H	OCH ₃	H	SO ₂ (2-NAPHTHYL)
4588	SO ₂ (2-NAPHTHYL)	SO ₂ (2-NAPHTHYL)	OCH ₃	SO ₂ (2-NAPHTHYL)	H
4589	SO ₂ (2-NAPHTHYL)	SO ₂ (2-NAPHTHYL)	OCH ₃	H	SO ₂ (2-NAPHTHYL)
4590	SO ₂ (2-NAPHTHYL)	H	H	OCH ₃	H
4591	SO ₂ (2-NAPHTHYL)	H	SO ₂ (2-NAPHTHYL)	OCH ₃	H
4592	SO ₂ (2-NAPHTHYL)	H	H	H	OCH ₃
4593	SO ₂ (2-NAPHTHYL)	H	H	H	OCH ₃
4594	SO ₂ (2-NAPHTHYL)	H	SO ₂ (2-NAPHTHYL)	H	OCH ₃

【Table 3】(Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4595	SO ₂ (2-NAPHTHYL)	H	H	SO ₂ (2-NAPHTHYL)	OCH ₃
4596	SO ₂ (2-NAPHTHYL)	SO ₂ (2-NAPHTHYL)	SO ₂ (2-NAPHTHYL)	H	OCH ₃
4597	SO ₂ (2-NAPHTHYL)	SO ₂ (2-NAPHTHYL)	H	SO ₂ (2-NAPHTHYL)	OCH ₃
4598	SO ₂ (2-NAPHTHYL)	H	SO ₂ (2-NAPHTHYL)	SO ₂ (2-NAPHTHYL)	OCH ₃
4599	SO ₂ (2-NAPHTHYL)	OH	H	H	H
4600	SO ₂ (2-NAPHTHYL)	OH	SO ₂ (2-NAPHTHYL)	H	H
4601	SO ₂ (2-NAPHTHYL)	OH	H	SO ₂ (2-NAPHTHYL)	H
4602	SO ₂ (2-NAPHTHYL)	OH	H	H	SO ₂ (2-NAPHTHYL)
4603	SO ₂ (2-NAPHTHYL)	OH	SO ₂ (2-NAPHTHYL)	H	SO ₂ (2-NAPHTHYL)
4604	SO ₂ (2-NAPHTHYL)	SO ₂ (2-NAPHTHYL)	OH	H	H
4605	SO ₂ (2-NAPHTHYL)	SO ₂ CH ₃	OH	H	H
4606	SO ₂ (2-NAPHTHYL)	H	OH	SO ₂ (2-NAPHTHYL)	H
4607	SO ₂ (2-NAPHTHYL)	H	OH	H	SO ₂ (2-NAPHTHYL)
4608	SO ₂ (2-NAPHTHYL)	SO ₂ (2-NAPHTHYL)	OH	SO ₂ (2-NAPHTHYL)	H
4609	SO ₂ (2-NAPHTHYL)	SO ₂ (2-NAPHTHYL)	OH	H	SO ₂ (2-NAPHTHYL)
4610	SO ₂ (2-NAPHTHYL)	H	H	OH	H
4611	SO ₂ (2-NAPHTHYL)	H	SO ₂ (2-NAPHTHYL)	OH	H
4612	SO ₂ (2-NAPHTHYL)	H	H	H	OH
4613	SO ₂ (2-NAPHTHYL)	SO ₂ (2-NAPHTHYL)	H	H	OH
4614	SO ₂ (2-NAPHTHYL)	H	SO ₂ (2-NAPHTHYL)	H	OH

Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4615	SO ₂ (2-NAPHTHYL)	H	H	SO ₂ (2-NAPHTHYL)	OH
4616	SO ₂ (2-NAPHTHYL)	SO ₂ (2-NAPHTHYL)	SO ₂ (2-NAPHTHYL)	H	OH
4617	SO ₂ (2-NAPHTHYL)	SO ₂ (2-NAPHTHYL)	H	SO ₂ (2-NAPHTHYL)	OH
4618	SO ₂ (2-NAPHTHYL)	H	SO ₂ (2-NAPHTHYL)	SO ₂ (2-NAPHTHYL)	OH
4619	COCH ₃	H	H	H	H
4620	COCH ₃	H	COCH ₃	H	H
4621	COCH ₃	H	H	H	COCH ₃
4622	COCH ₃	H	COCH ₃	H	COCH ₃
4623	COCH ₃	CH ₃	H	H	H
4624	COCH ₃	CH ₃	COCH ₃	H	H
4625	COCH ₃	CH ₃	H	H	SO ₂ CH ₃
4626	COCH ₃	CH ₃	COCH ₃	H	COCH ₃
4627	COCH ₃	H	CH ₃	H	H
4628	COCH ₃	H	CH ₃	H	COCH ₃
4629	COCH ₃	H	H	CH ₃	H
4630	COCH ₃	H	COCH ₃	CH ₃	H
4631	COCH ₃	H	H	H	CH ₃
4632	COCH ₃	H	COCH ₃	H	CH ₃
4633	COCH ₃	C ₂ H ₅	H	H	H
4634	COCH ₃	C ₂ H ₅	COCH ₃	H	H

Table 3 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4635	COCCH ₃	C ₂ H ₅	H	H	COOH ₃
4636	COCH ₃	C ₂ H ₅	COCH ₃	H	COOH ₃
4637	COCH ₃	H	C ₂ H ₅	H	H
4638	OOCCH ₃	H	C ₂ H ₅	H	COOH ₃
4639	COCH ₃	H	H	C ₂ H ₅	H
4640	COCH ₃	H	COCH ₃	C ₂ H ₅	H
4641	COCH ₃	H	H	H	C ₂ H ₅
4642	COCH ₃	H	COCH ₃	H	C ₂ H ₅
4643	COCH ₃	^a C ₃ H ₇	H	H	H
4644	COCH ₃	^b C ₃ H ₇	COCH ₃	H	H
4645	COCH ₃	^c C ₃ H ₇	H	H	COCH ₃
4646	COCH ₃	^d C ₃ H ₇	COCH ₃	H	COCH ₃
4647	COCH ₃	H	^e C ₃ H ₇	H	H
4648	COCH ₃	H	^f C ₃ H ₇	H	COCH ₃
4649	COCH ₃	H	H	^g C ₃ H ₇	H
4650	COCH ₃	H	COCH ₃	^h C ₃ H ₇	H
4651	COCH ₃	H	H	H	ⁱ C ₃ H ₇
4652	COCH ₃	H	COCH ₃	H	^j C ₃ H ₇
4653	OOCCH ₃	^k C ₃ H ₇	H	H	H
4654	COCH ₃	^l C ₃ H ₇	COCH ₃	H	H

Table 31 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4655	COCH ₃	ⁱ C ₆ H ₇	H	H	COCH ₃
4656	COCH ₃	ⁱ C ₆ H ₇	COCH ₃	H	COOR ₃
4657	COCH ₃	H	ⁱ C ₃ H ₇	H	H
4658	COCH ₃	H	ⁱ C ₃ H ₇	H	COOR ₃
4659	COCH ₃	H	H	ⁱ C ₆ H ₇	H
4660	COCH ₃	H	COCH ₃	ⁱ C ₃ H ₇	H
4661	COCH ₃	H	H	H	ⁱ C ₆ H ₇
4662	COCH ₃	H	COCH ₃	H	ⁱ C ₆ H ₇
4663	COCH ₃	C1	H	H	H
4664	COCH ₃	C1	COCH ₃	H	H
4665	COCH ₃	C1	H	H	COCH ₃
4666	COCH ₃	C1	COCH ₃	H	COCH ₃
4667	COCH ₃	H	C1	H	H
4668	COCH ₃	H	C1	H	COCH ₃
4669	COCH ₃	H	H	C1	H
4670	COCH ₃	H	COCH ₃	C1	H
4671	COCH ₃	H	H	H	C1
4672	COCH ₃	H	COCH ₃	H	C1
4673	COCH ₃	CH ₃	CH ₃	H	H
4674	COCH ₃	CH ₃	CH ₃	H	COCH ₃

Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4675	COCH ₃	CH ₃	H	CH ₃	H
4676	COCH ₃	CH ₃	COCH ₃	CH ₃	H
4677	COCH ₃	CH ₃	H	CH ₃	COCH ₃
4678	COCH ₃	CH ₃	COCH ₃	CH ₃	COCH ₃
4679	COCH ₃	CH ₃	H	H	CH ₃
4680	COCH ₃	CH ₃	COCH ₃	H	CH ₃
4681	COCH ₃	H	CH ₃	CH ₃	H
4682	COCH ₃	H	CH ₃	CH ₃	COCH ₃
4683	COCH ₃	H	CH ₃	H	CH ₃
4684	COCH ₃	H	H	CH ₃	CH ₃
4685	COCH ₃	H	COCH ₃	CH ₃	CH ₃
4686	COCH ₃	OCCH ₃	H	H	H
4687	COCH ₃	OCCH ₃	COCH ₃	H	H
4688	COCH ₃	OCCH ₃	H	COCH ₃	H
4689	COCH ₃	OCCH ₃	H	H	COCH ₃
4690	COCH ₃	OCCH ₃	COCH ₃	H	COCH ₃
4691	COCH ₃	H	OCCH ₃	H	H
4692	COCH ₃	COCH ₃	OCCH ₃	H	H
4693	COCH ₃	H	OCCH ₃	SO ₂ CH ₃	H
4694	COCH ₃	H	OCCH ₃	H	COCH ₃

Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4695	COCH ₃	COCH ₃	OCH ₃	COCH ₃	H
4696	COCH ₃	COCH ₃	OCH ₃	H	COCH ₃
4697	COCH ₃	H	H	OCH ₃	H
4698	COCH ₃	H	COCH ₃	OCH ₃	H
4699	COCH ₃	H	H	H	OCH ₃
4700	COCH ₃	COCH ₃	H	H	OCH ₃
4701	COCH ₃	H	COCH ₃	H	OCH ₃
4702	COCH ₃	H	H	COCH ₃	OCH ₃
4703	COCH ₃	COCH ₃	COCH ₃	H	OCH ₃
4704	COCH ₃	COCH ₃	H	COCH ₃	OCH ₃
4705	COCH ₃	H	COCH ₃	COCH ₃	OCH ₃
4706	COCH ₃	OH	H	H	H
4707	COCH ₃	OH	COCH ₃	H	H
4708	COCH ₃	OH	H	COCH ₃	H
4709	COCH ₃	OH	H	H	COCH ₃
4710	COCH ₃	OH	COCH ₃	H	COCH ₃
4711	COCH ₃	H	OH	H	H
4712	COCH ₃	COCH ₃	OH	H	H
4713	COCH ₃	H	OH	COCH ₃	H
4714	COCH ₃	H	OH	H	COCH ₃

Table 31 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4715	COCH ₃	COCH ₃	OH	COCH ₃	H
4716	COCH ₃	COCH ₃	OH	COCH ₃	H
4717	COCH ₃	H	H	OH	H
4718	COCH ₃	H	COCH ₃	OH	H
4719	COCH ₃	H	H	H	OH
4720	COCH ₃	COCH ₃	H	H	OH
4721	COCH ₃	H	COCH ₃	H	OH
4722	COCH ₃	H	H	COCH ₃	OH
4723	COCH ₃	COCH ₃	COCH ₃	H	OH
4724	COCH ₃	COCH ₃	H	COCH ₃	OH
4725	COCH ₃	H	COCH ₃	COCH ₃	OH
4726	CO ³ C ₆ H ₇	H	H	H	H
4727	CO ³ C ₆ H ₇	H	CO ³ C ₆ H ₇	H	H
4728	CO ³ C ₆ H ₇	H	H	H	CO ³ C ₆ H ₇
4729	CO ³ C ₆ H ₇	H	CO ³ C ₆ H ₇	H	CO ³ C ₆ H ₇
4730	CO ³ C ₆ H ₇	CH ₃	H	H	H
4731	CO ³ C ₆ H ₇	CH ₃	CO ³ C ₆ H ₇	H	H
4732	CO ³ C ₆ H ₇	CH ₃	H	H	CO ³ C ₆ H ₇
4733	CO ³ C ₆ H ₇	CH ₃	CO ³ C ₆ H ₇	H	CO ³ C ₆ H ₇
4734	CO ³ C ₆ H ₇	H	CH ₃	H	H

Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4735	CO ⁿ C ₃ H ₇	H	CH ₃	H	CO ⁿ C ₃ H ₇
4736	CO ⁿ C ₃ H ₇	H	H	CH ₃	H
4737	CO ⁿ C ₃ H ₇	H	CO ⁿ C ₃ H ₇	CH ₃	H
4738	CO ⁿ C ₃ H ₇	H	H	H	CH ₃
4739	CO ⁿ C ₃ H ₇	H	CO ⁿ C ₃ H ₇	H	CH ₃
4740	CO ⁿ C ₃ H ₇	C ₂ H ₅	H	H	H
4741	CO ⁿ C ₃ H ₇	C ₂ H ₅	CO ⁿ C ₃ H ₇	H	CO ⁿ C ₃ H ₇
4742	CO ⁿ C ₃ H ₇	C ₂ H ₅	H	H	CO ⁿ C ₃ H ₇
4743	CO ⁿ C ₃ H ₇	C ₂ H ₅	CO ⁿ C ₃ H ₇	H	H
4744	CO ⁿ C ₃ H ₇	H	C ₂ H ₅	H	H
4745	CO ⁿ C ₃ H ₇	H	C ₂ H ₅	H	CO ⁿ C ₃ H ₇
4746	CO ⁿ C ₃ H ₇	H	H	C ₂ H ₅	CO ⁿ C ₃ H ₇
4747	CO ⁿ C ₃ H ₇	H	CO ⁿ C ₃ H ₇	C ₂ H ₅	H
4748	CO ⁿ C ₃ H ₇	H	H	C ₂ H ₅	C ₂ H ₅
4749	CO ⁿ C ₃ H ₇	H	CO ⁿ C ₃ H ₇	H	H
4750	CO ⁿ C ₃ H ₇	ⁿ C ₃ H ₇	H	H	H
4751	CO ⁿ C ₃ H ₇	ⁿ C ₃ H ₇	CO ⁿ C ₃ H ₇	H	H
4752	CO ⁿ C ₃ H ₇	ⁿ C ₃ H ₇	H	H	CO ⁿ C ₃ H ₇
4753	CO ⁿ C ₃ H ₇	ⁿ C ₃ H ₇	CO ⁿ C ₃ H ₇	H	CO ⁿ C ₃ H ₇
4754	CO ⁿ C ₃ H ₇	H	ⁿ C ₃ H ₇	H	H

Table 31 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4755	C ⁰ ⁹ C ₃ H ₇	H	⁰ C ₃ H ₇	H	C ⁰ ⁹ C ₃ H ₇
4756	C ⁰ ⁹ C ₃ H ₇	H	H	⁰ C ₃ H ₇	H
4757	C ⁰ ⁹ C ₃ H ₇	H	C ⁰ ⁹ C ₃ H ₇	⁰ C ₃ H ₇	H
4758	C ⁰ ⁹ C ₃ H ₇	H	H	H	⁰ C ₃ H ₇
4759	C ⁰ ⁹ C ₃ H ₇	H	C ⁰ ⁹ C ₃ H ₇	H	⁰ C ₃ H ₇
4760	C ⁰ ⁹ C ₃ H ₇	¹ C ₃ H ₇	H	H	H
4761	C ⁰ ⁹ C ₃ H ₇	¹ C ₃ H ₇	C ⁰ ⁹ C ₃ H ₇	H	H
4762	C ⁰ ⁹ C ₃ H ₇	¹ C ₃ H ₇	H	H	C ⁰ ⁹ C ₃ H ₇
4763	C ⁰ ⁹ C ₃ H ₇	¹ C ₃ H ₇	C ⁰ ⁹ C ₃ H ₇	H	⁰ C ₃ H ₇
4764	C ⁰ ⁹ C ₃ H ₇	H	¹ C ₃ H ₇	H	H
4765	C ⁰ ⁹ C ₃ H ₇	H	¹ C ₃ H ₇	H	C ⁰ ⁹ C ₃ H ₇
4766	C ⁰ ⁹ C ₃ H ₇	H	H	¹ C ₃ H ₇	H
4767	C ⁰ ⁹ C ₃ H ₇	H	C ⁰ ⁹ C ₃ H ₇	¹ C ₃ H ₇	H
4768	C ⁰ ⁹ C ₃ H ₇	H	H	¹ C ₃ H ₇	¹ C ₃ H ₇
4769	C ⁰ ⁹ C ₃ H ₇	H	C ⁰ ⁹ C ₃ H ₇	¹ C ₃ H ₇	H
4770	C ⁰ ⁹ C ₃ H ₇	C ₁	H	¹ C ₃ H ₇	H
4771	C ⁰ ⁹ C ₃ H ₇	C ₁	C ⁰ ⁹ C ₃ H ₇	¹ C ₃ H ₇	H
4772	C ⁰ ⁹ C ₃ H ₇	C ₁	H	⁰ C ₃ H ₇	C ⁰ ⁹ C ₃ H ₇
4773	C ⁰ ⁹ C ₃ H ₇	C ₁	C ⁰ ⁹ C ₃ H ₇	H	⁰ C ₃ H ₇
4774	C ⁰ ⁹ C ₃ H ₇	H	C ₁	H	H

Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4775	CO ⁿ C ₃ H ₇	H	Cl	H	CO ⁿ C ₃ H ₇
4776	CO ⁿ C ₃ H ₇	H	H	Cl	H
4777	CO ⁿ C ₃ H ₇	H	CO ⁿ C ₃ H ₇	Cl	H
4778	CO ⁿ C ₃ H ₇	H	H	H	Cl
4779	CO ⁿ C ₃ H ₇	H	CO ⁿ C ₃ H ₇	H	Cl
4780	CO ⁿ C ₃ H ₇	CH ₃	CH ₃	H	CO ⁿ C ₃ H ₇
4781	CO ⁿ C ₃ H ₇	CH ₃	CH ₃	H	H
4782	CO ⁿ C ₃ H ₇	CH ₃	H	CH ₃	H
4783	CO ⁿ C ₃ H ₇	CH ₃	CO ⁿ C ₃ H ₇	CH ₃	H
4784	CO ⁿ C ₃ H ₇	CH ₃	H	CH ₃	CO ⁿ C ₃ H ₇
4785	CO ⁿ C ₃ H ₇	CH ₃	CO ⁿ C ₃ H ₇	CH ₃	CO ⁿ C ₃ H ₇
4786	CO ⁿ C ₃ H ₇	CH ₃	H	CH ₃	CH ₃
4787	CO ⁿ C ₃ H ₇	CH ₃	CO ⁿ C ₃ H ₇	CH ₃	H
4788	CO ⁿ C ₃ H ₇	H	CH ₃	CH ₃	CO ⁿ C ₃ H ₇
4789	CO ⁿ C ₃ H ₇	H	CH ₃	CH ₃	CH ₃
4790	CO ⁿ C ₃ H ₇	H	CH ₃	H	CH ₃
4791	CO ⁿ C ₃ H ₇	H	H	CH ₃	CH ₃
4792	CO ⁿ C ₃ H ₇	H	CO ⁿ C ₃ H ₇	CH ₃	H
4793	CO ⁿ C ₃ H ₇	OC ₃ H ₅	H	H	H
4794	CO ⁿ C ₃ H ₇	OC ₃ H ₅	CO ⁿ C ₃ H ₇	H	H

Table 3 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4795	CO ⁿ C ₃ H ₇	OCH ₃	H	CO ⁿ C ₃ H ₇	H
4796	CO ⁿ C ₃ H ₇	OCH ₃	H	CO ⁿ C ₃ H ₇	CO ⁿ C ₃ H ₇
4797	CO ⁿ C ₃ H ₇	OCH ₃	COH ₃	H	CO ⁿ C ₃ H ₇
4798	CO ⁿ C ₃ H ₇	H	OCH ₃	H	H
4799	CO ⁿ C ₃ H ₇	CO ⁿ C ₃ H ₇	OCH ₃	H	H
4800	CO ⁿ C ₃ H ₇	H	OCH ₃	CO ⁿ C ₃ H ₇	H
4801	CO ⁿ C ₃ H ₇	H	OCH ₃	H	CO ⁿ C ₃ H ₇
4802	CO ⁿ C ₃ H ₇	CO ⁿ C ₃ H ₇	OCH ₃	CO ⁿ C ₃ H ₇	H
4803	CO ⁿ C ₃ H ₇	CO ⁿ C ₃ H ₇	OCH ₃	H	CO ⁿ C ₃ H ₇
4804	CO ⁿ C ₃ H ₇	H	H	OCH ₃	H
4805	CO ⁿ C ₃ H ₇	H	CO ⁿ C ₃ H ₇	OCH ₃	H
4806	CO ⁿ C ₃ H ₇	H	H	H	OCH ₃
4807	CO ⁿ C ₃ H ₇	CO ⁿ C ₃ H ₇	H	H	OCH ₃
4808	CO ⁿ C ₃ H ₇	H	CO ⁿ C ₃ H ₇	H	OCH ₃
4809	CO ⁿ C ₃ H ₇	H	H	CO ⁿ C ₃ H ₇	OCH ₃
4810	CO ⁿ C ₃ H ₇	CO ⁿ C ₃ H ₇	CO ⁿ C ₃ H ₇	H	OCH ₃
4811	CO ⁿ C ₃ H ₇	CO ⁿ C ₃ H ₇	H	CO ⁿ C ₃ H ₇	OCH ₃
4812	CO ⁿ C ₃ H ₇	H	CO ⁿ C ₃ H ₇	H	H
4813	CO ⁿ C ₃ H ₇	OH	H	CO ⁿ C ₃ H ₇	H
4814	CO ⁿ C ₃ H ₇	OH	CO ⁿ C ₃ H ₇	H	H

Table 3 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4815	CO ⁿ C ₆ H ₇	0H	H	CO ⁿ C ₆ H ₇	H
4816	CO ⁿ C ₃ H ₇	0H	H	H	CO ⁿ C ₃ H ₇
4817	CO ⁿ C ₃ H ₇	0H	CO ⁿ C ₃ H ₇	H	CO ⁿ C ₃ H ₇
4818	CO ⁿ C ₃ H ₇	H	OH	H	H
4819	CO ⁿ C ₃ H ₇	CO ⁿ C ₃ H ₇	OH	H	H
4820	CO ⁿ C ₃ H ₇	H	OH	CO ⁿ C ₃ H ₇	H
4821	CO ⁿ C ₃ H ₇	H	OH	H	CO ⁿ C ₃ H ₇
4822	CO ⁿ C ₃ H ₇	CO ⁿ C ₃ H ₇	OH	CO ⁿ C ₃ H ₇	H
4823	CO ⁿ C ₃ H ₇	CO ⁿ C ₃ H ₇	OH	H	CO ⁿ C ₃ H ₇
4824	CO ⁿ C ₃ H ₇	H	H	OH	H
4825	CO ⁿ C ₃ H ₇	H	CO ⁿ C ₃ H ₇	OH	H
4826	CO ⁿ C ₃ H ₇	H	H	H	OH
4827	CO ⁿ C ₃ H ₇	CO ⁿ C ₃ H ₇	H	H	OH
4828	CO ⁿ C ₃ H ₇	H	CO ⁿ C ₃ H ₇	H	OH
4829	CO ⁿ C ₃ H ₇	H	H	CO ⁿ C ₃ H ₇	OH
4830	CO ⁿ C ₃ H ₇	CO ⁿ C ₃ H ₇	CO ⁿ C ₃ H ₇	H	OH
4831	CO ⁿ C ₃ H ₇	CO ⁿ C ₃ H ₇	H	CO ⁿ C ₃ H ₇	OH
4832	CO ⁿ C ₃ H ₇	H	CO ⁿ C ₃ H ₇	CO ⁿ C ₃ H ₇	OH
4833	CO(PHENYL)	H	H	H	H
4834	CO(PHENYL)	H	CO(PHENYL)	H	H

Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4835	CO(PHENYL)	H	H	H	CO(PHENYL)
4836	CO(PHENYL)	H	CO(PHENYL)	H	CO(PHENYL)
4837	CO(PHENYL)	CH ₃	H	H	H
4838	CO(PHENYL)	CH ₃	CO(PHENYL)	H	H
4839	CO(PHENYL)	CH ₃	H	H	CO(PHENYL)
4840	CO(PHENYL)	CH ₃	CO(PHENYL)	H	CO(PHENYL)
4841	CO(PHENYL)	H	CH ₃	H	H
4842	CO(PHENYL)	H	CH ₃	H	CO(PHENYL)
4843	CO(PHENYL)	H	H	CH ₃	CO(PHENYL)
4844	CO(PHENYL)	H	CO(PHENYL)	CH ₃	H
4845	CO(PHENYL)	H	H	H	CH ₃
4846	CO(PHENYL)	H	CO(PHENYL)	H	H
4847	CO(PHENYL)	C ₂ H ₅	H	H	H
4848	CO(PHENYL)	C ₂ H ₅	CO(PHENYL)	H	H
4849	CO(PHENYL)	C ₂ H ₅	H	H	CO(PHENYL)
4850	CO(PHENYL)	C ₂ H ₅	CO(PHENYL)	H	CO(PHENYL)
4851	CO(PHENYL)	H	C ₂ H ₅	H	H
4852	CO(PHENYL)	H	C ₂ H ₅	C ₂ H ₅	CO(PHENYL)
4853	CO(PHENYL)	H	H	C ₂ H ₅	H
4854	CO(PHENYL)	H	CO(PHENYL)	C ₂ H ₅	H

Table 3 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4855	CO(PHENYL)	H	H	H	C ₂ H ₅
4856	CO(PHENYL)	H	CO(PHENYL)	H	C ₂ H ₅
4857	CO(PHENYL)	ⁿ C ₃ H ₇	H	H	H
4858	CO(PHENYL)	ⁿ C ₃ H ₇	CO(PHENYL)	H	H
4859	CO(PHENYL)	ⁿ C ₃ H ₇	H	H	CO(PHENYL)
4860	CO(PHENYL)	ⁿ C ₃ H ₇	CO(PHENYL)	H	CO(PHENYL)
4861	CO(PHENYL)	H	ⁿ C ₃ H ₇	H	H
4882	CO(PHENYL)	H	ⁿ C ₃ H ₇	H	CO(PHENYL)
4863	CO(PHENYL)	H	H	ⁿ C ₃ H ₇	H
4864	CO(PHENYL)	H	CO(PHENYL)	ⁿ C ₃ H ₇	H
4865	CO(PHENYL)	H	H	H	ⁿ C ₃ H ₇
4866	CO(PHENYL)	H	CO(PHENYL)	H	H
4867	CO(PHENYL)	^j C ₃ H ₇	H	H	H
4868	CO(PHENYL)	ⁱ C ₃ H ₇	CO(PHENYL)	H	H
4869	CO(PHENYL)	ⁱ C ₃ H ₇	H	H	CO(PHENYL)
4870	CO(PHENYL)	ⁱ C ₃ H ₇	CO(PHENYL)	H	CO(PHENYL)
4871	CO(PHENYL)	H	^j C ₃ H ₇	H	H
4872	CO(PHENYL)	H	ⁱ C ₃ H ₇	H	CO(PHENYL)
4873	CO(PHENYL)	H	H	^j C ₃ H ₇	H
4874	CO(PHENYL)	H	CO(PHENYL)	ⁱ C ₃ H ₇	H

【Table 3】 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4875	CO(PHENYL)	H	H	H	C ₃ H ₇
4876	CO(PHENYL)	H	CO(PHENYL)	H	C ₃ H ₇
4877	CO(PHENYL)	C ₁	H	H	H
4878	CO(PHENYL)	C ₁	CO(PHENYL)	H	H
4879	CO(PHENYL)	C ₁	H	H	CO(PHENYL)
4880	CO(PHENYL)	C ₁	CO(PHENYL)	H	CO(PHENYL)
4881	CO(PHENYL)	H	C ₁	H	H
4882	CO(PHENYL)	H	C ₁	H	CO(PHENYL)
4883	CO(PHENYL)	H	H	C ₁	H
4884	CO(PHENYL)	H	CO(PHENYL)	C ₁	H
4885	CO(PHENYL)	H	H	H	C ₁
4886	CO(PHENYL)	H	CO(PHENYL)	H	C ₁
4887	CO(PHENYL)	CH ₃	CH ₃	H	H
4888	CO(PHENYL)	CH ₃	CH ₃	H	CO(PHENYL)
4889	CO(PHENYL)	CH ₃	H	CH ₃	H
4890	CO(PHENYL)	CH ₃	CO(PHENYL)	CH ₃	H
4891	CO(PHENYL)	CH ₃	H	CH ₃	CO(PHENYL)
4892	CO(PHENYL)	CH ₃	CO(PHENYL)	CH ₃	CO(PHENYL)
4893	CO(PHENYL)	CH ₃	H	H	CH ₃
4894	CO(PHENYL)	CH ₃	CO(PHENYL)	H	CH ₃

Table 31 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4885	CO(PHENYL)	H	CH ₃	CH ₃	H
4886	CO(PHENYL)	H	CH ₃	CH ₃	CO(PHENYL)
4887	CO(PHENYL)	H	CH ₃	H	CH ₃
4888	CO(PHENYL)	H	H	CH ₃	CH ₃
4889	CO(PHENYL)	H	CO(PHENYL)	CH ₃	CH ₃
4900	CO(PHENYL)	OCH ₃	H	H	H
4901	CO(PHENYL)	OCH ₃	CO(PHENYL)	H	H
4902	CO(PHENYL)	OCH ₃	H	CO(PHENYL)	H
4903	CO(PHENYL)	OCH ₃	H	H	CO(PHENYL)
4904	CO(PHENYL)	OCH ₃	CO(PHENYL)	H	CO(PHENYL)
4905	CO(PHENYL)	H	OCH ₃	H	H
4906	CO(PHENYL)	CO(PHENYL)	OCH ₃	H	CO(PHENYL)
4907	CO(PHENYL)	H	OCH ₃	CO(PHENYL)	H
4908	CO(PHENYL)	H	OCH ₃	H	CO(PHENYL)
4909	CO(PHENYL)	CO(PHENYL)	OCH ₃	CO(PHENYL)	H
4910	CO(PHENYL)	CO(PHENYL)	OCH ₃	H	CO(PHENYL)
4911	CO(PHENYL)	H	H	OCH ₃	H
4912	CO(PHENYL)	H	CO(PHENYL)	OCH ₃	H
4913	CO(PHENYL)	H	H	H	OCH ₃
4914	CO(PHENYL)	CO(PHENYL)	H	H	OCH ₃

Table 3 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4915	CO(PHENYL)	H	CO(PHENYL)	H	OCH ₃
4916	CO(PHENYL)	H	CO(PHENYL)	H	OCH ₃
4917	CO(PHENYL)	CO(PHENYL)	CO(PHENYL)	H	OCH ₃
4918	CO(PHENYL)	CO(PHENYL)	H	CO(PHENYL)	OCH ₃
4919	CO(PHENYL)	H	CO(PHENYL)	CO(PHENYL)	OCH ₃
4920	CO(PHENYL)	OH	H	H	H
4921	CO(PHENYL)	OH	CO(PHENYL)	H	H
4922	CO(PHENYL)	OH	H	CO(PHENYL)	H
4923	CO(PHENYL)	OH	H	H	CO(PHENYL)
4924	CO(PHENYL)	OH	CO(PHENYL)	H	CO(PHENYL)
4925	CO(PHENYL)	H	OH	H	H
4926	CO(PHENYL)	CO(PHENYL)	OH	H	CO(PHENYL)
4927	CO(PHENYL)	H	OH	CO(PHENYL)	H
4928	CO(PHENYL)	H	OH	H	CO(PHENYL)
4929	CO(PHENYL)	CO(PHENYL)	OH	CO(PHENYL)	H
4930	CO(PHENYL)	CO(PHENYL)	OH	H	CO(PHENYL)
4931	CO(PHENYL)	H	H	OH	H
4932	CO(PHENYL)	H	CO(PHENYL)	OH	H
4933	CO(PHENYL)	H	H	H	OH
4934	CO(PHENYL)	CO(PHENYL)	H	H	OH

Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4935	CO(PHENYL)	H	CO(PHENYL)	H	OH
4936	CO(PHENYL)	H	CO(PHENYL)	H	OH
4937	CO(PHENYL)	CO(PHENYL)	CO(PHENYL)	H	OH
4938	CO(PHENYL)	CO(PHENYL)	CO(PHENYL)	H	OH
4939	CO(PHENYL)	H	CO(PHENYL)	CO(PHENYL)	OH
4940	CO(p-METHYLPHENYL)	H	H	H	H
4941	CO(p-METHYLPHENYL)	H	CO(p-METHYLPHENYL)	H	H
4942	CO(p-METHYLPHENYL)	H	H	H	CO(p-METHYLPHENYL)
4943	CO(p-METHYLPHENYL)	H	CO(p-METHYLPHENYL)	H	CO(p-METHYLPHENYL)
4944	CO(p-METHYLPHENYL)	CH ₃	H	H	H
4945	CO(p-METHYLPHENYL)	CH ₃	CO(p-METHYLPHENYL)	H	CO(p-METHYLPHENYL)
4946	CO(p-METHYLPHENYL)	CH ₃	H	H	CO(p-METHYLPHENYL)
4947	CO(p-METHYLPHENYL)	CH ₃	CO(p-METHYLPHENYL)	H	CO(p-METHYLPHENYL)
4948	CO(p-METHYLPHENYL)	H	CH ₃	H	H
4949	CO(p-METHYLPHENYL)	H	CH ₃	H	CO(p-METHYLPHENYL)
4950	CO(p-METHYLPHENYL)	H	H	CH ₃	H
4951	CO(p-METHYLPHENYL)	H	CO(p-METHYLPHENYL)	CH ₃	H
4952	CO(p-METHYLPHENYL)	H	H	H	CH ₃
4953	CO(p-METHYLPHENYL)	H	CO(p-METHYLPHENYL)	H	CH ₃
4954	CO(p-METHYLPHENYL)	C ₂ H ₅	H	H	H

Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4955	CO(p-METHYLPHENYL)	C ₂ H ₅	CO(p-METHYLPHENYL)	H	H
4956	CO(p-METHYLPHENYL)	C ₂ H ₅	H	H	CO(p-METHYLPHENYL)
4957	CO(p-METHYLPHENYL)	C ₂ H ₅	CO(p-METHYLPHENYL)	H	CO(p-METHYLPHENYL)
4958	CO(p-METHYLPHENYL)	H	C ₂ H ₅	H	H
4959	CO(p-METHYLPHENYL)	H	C ₂ H ₅	H	CO(p-METHYLPHENYL)
4960	CO(p-METHYLPHENYL)	H	H	C ₂ H ₅	H
4961	CO(p-METHYLPHENYL)	H	CO(p-METHYLPHENYL)	C ₂ H ₅	H
4962	CO(p-METHYLPHENYL)	H	H	H	C ₂ H ₅
4963	CO(p-METHYLPHENYL)	H	CO(p-METHYLPHENYL)	H	C ₂ H ₅
4964	CO(p-METHYLPHENYL)	ⁿ C ₃ H ₇	H	H	H
4965	CO(p-METHYLPHENYL)	ⁿ C ₃ H ₇	CO(p-METHYLPHENYL)	H	H
4966	CO(p-METHYLPHENYL)	ⁿ C ₃ H ₇	H	H	CO(p-METHYLPHENYL)
4967	CO(p-METHYLPHENYL)	ⁿ C ₃ H ₇	CO(p-METHYLPHENYL)	H	CO(p-METHYLPHENYL)
4968	CO(p-METHYLPHENYL)	H	ⁿ C ₃ H ₇	H	H
4969	CO(p-METHYLPHENYL)	H	ⁿ C ₃ H ₇	H	CO(p-METHYLPHENYL)
4970	CO(p-METHYLPHENYL)	H	H	ⁿ C ₃ H ₇	H
4971	CO(p-METHYLPHENYL)	H	CO(p-METHYLPHENYL)	ⁿ C ₃ H ₇	H
4972	CO(p-METHYLPHENYL)	H	H	H	ⁿ C ₃ H ₇
4973	CO(p-METHYLPHENYL)	H	CO(p-METHYLPHENYL)	H	ⁿ C ₃ H ₇
4974	CO(p-METHYLPHENYL)	^t C ₃ H ₇	H	H	H

Table 3 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4975	CO(p-METHYLPHENYL)	ⁱ C ₆ H ₇	CO(p-METHYLPHENYL)	H	H
4976	CO(p-METHYLPHENYL)	ⁱ C ₆ H ₇	H	H	CO(p-METHYLPHENYL)
4977	CO(p-METHYLPHENYL)	ⁱ C ₆ H ₇	CO(p-METHYLPHENYL)	H	CO(p-METHYLPHENYL)
4978	CO(p-METHYLPHENYL)	H	ⁱ C ₆ H ₇	H	H
4979	CO(p-METHYLPHENYL)	H	ⁱ C ₆ H ₇	H	CO(p-METHYLPHENYL)
4980	CO(p-METHYLPHENYL)	H	H	ⁱ C ₆ H ₇	H
4981	CO(p-METHYLPHENYL)	H	CO(p-METHYLPHENYL)	ⁱ C ₆ H ₇	H
4982	CO(p-METHYLPHENYL)	H	H	H	ⁱ C ₆ H ₇
4983	CO(p-METHYLPHENYL)	H	CO(p-METHYLPHENYL)	H	ⁱ C ₆ H ₇
4984	CO(p-METHYLPHENYL)	C ₁	H	H	H
4985	CO(p-METHYLPHENYL)	C ₁	CO(p-METHYLPHENYL)	H	H
4986	CO(p-METHYLPHENYL)	C ₁	H	H	CO(p-METHYLPHENYL)
4987	CO(p-METHYLPHENYL)	C ₁	CO(p-METHYLPHENYL)	H	CO(p-METHYLPHENYL)
4988	CO(p-METHYLPHENYL)	H	C ₁	H	CO(p-METHYLPHENYL)
4989	CO(p-METHYLPHENYL)	H	C ₁	H	CO(p-METHYLPHENYL)
4990	CO(p-METHYLPHENYL)	H	H	C ₁	H
4991	CO(p-METHYLPHENYL)	H	CO(p-METHYLPHENYL)	C ₁	H
4992	CO(p-METHYLPHENYL)	H	H	H	C ₁
4993	CO(p-METHYLPHENYL)	H	CO(p-METHYLPHENYL)	H	C ₁
4994	CO(p-METHYLPHENYL)	CH ₃	CH ₃	H	H

[Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
4995	CO(p-METHYLPHENYL)	CH ₃	CH ₃	H	CO(p-METHYLPHENYL)
4996	CO(p-METHYLPHENYL)	CH ₃	H	CH ₃	H
4997	CO(p-METHYLPHENYL)	CH ₃	CO(p-METHYLPHENYL)	CH ₃	H
4998	CO(p-METHYLPHENYL)	CH ₃	H	CH ₃	CO(p-METHYLPHENYL)
4999	CO(p-METHYLPHENYL)	CH ₃	CO(p-METHYLPHENYL)	CH ₃	CO(p-METHYLPHENYL)
5000	CO(p-METHYLPHENYL)	CH ₃	H	H	CH ₃
5001	CO(p-METHYLPHENYL)	CH ₃	CO(p-METHYLPHENYL)	H	CH ₃
5002	CO(p-METHYLPHENYL)	H	CH ₃	CH ₃	H
5003	CO(p-METHYLPHENYL)	H	CH ₃	H	CH ₃
5004	CO(p-METHYLPHENYL)	H	CH ₃	H	CH ₃
5005	CO(p-METHYLPHENYL)	H	H	CH ₃	H
5006	CO(p-METHYLPHENYL)	H	CO(p-METHYLPHENYL)	CH ₃	CO(p-METHYLPHENYL)
5007	CO(p-METHYLPHENYL)	OCH ₃	H	H	H
5008	CO(p-METHYLPHENYL)	OCH ₃	CO(p-METHYLPHENYL)	H	H
5009	CO(p-METHYLPHENYL)	OCH ₃	H	CO(p-METHYLPHENYL)	H
5010	CO(p-METHYLPHENYL)	OCH ₃	H	H	CO(p-METHYLPHENYL)
5011	CO(p-METHYLPHENYL)	OCH ₃	CO(p-METHYLPHENYL)	H	H
5012	CO(p-METHYLPHENYL)	H	OCH ₃	H	H
5013	CO(p-METHYLPHENYL)	CO(p-METHYLPHENYL)	OCH ₃	H	H
5014	CO(p-METHYLPHENYL)	H	OCH ₃	CO(p-METHYLPHENYL)	H

Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
5015	CO(p-METHYLPHENYL)	H	OCH ₃	H	CO(p-METHYLPHENYL)
5016	CO(p-METHYLPHENYL)	CO(p-METHYLPHENYL)	OCH ₃	CO(p-METHYLPHENYL)	H
5017	CO(p-METHYLPHENYL)	CO(p-METHYLPHENYL)	OCH ₃	H	CO(p-METHYLPHENYL)
5018	CO(p-METHYLPHENYL)	H	H	OCH ₃	H
5019	CO(p-METHYLPHENYL)	H	CO(p-METHYLPHENYL)	OCH ₃	H
5020	CO(p-METHYLPHENYL)	H	H	H	OCH ₃
5021	CO(p-METHYLPHENYL)	CO(p-METHYLPHENYL)	H	H	OCH ₃
5022	CO(p-METHYLPHENYL)	H	CO(p-METHYLPHENYL)	H	OCH ₃
5023	CO(p-METHYLPHENYL)	H	H	H	OCH ₃
5024	CO(p-METHYLPHENYL)	CO(p-METHYLPHENYL)	CO(p-METHYLPHENYL)	H	OCH ₃
5025	CO(p-METHYLPHENYL)	CO(p-METHYLPHENYL)	H	CO(p-METHYLPHENYL)	OCH ₃
5026	CO(p-METHYLPHENYL)	H	CO(p-METHYLPHENYL)	CO(p-METHYLPHENYL)	OCH ₃
5027	CO(p-METHYLPHENYL)	OH	H	H	OCH ₃
5028	CO(p-METHYLPHENYL)	OH	CO(p-METHYLPHENYL)	H	OCH ₃
5029	CO(p-METHYLPHENYL)	OH	H	CO(p-METHYLPHENYL)	H
5030	CO(p-METHYLPHENYL)	OH	CO(p-METHYLPHENYL)	H	CO(p-METHYLPHENYL)
5031	CO(p-METHYLPHENYL)	OH	OH	H	H
5032	CO(p-METHYLPHENYL)	H	OH	H	H
5033	CO(p-METHYLPHENYL)	CO(p-METHYLPHENYL)	OH	H	H
5034	CO(p-METHYLPHENYL)	H	OH	CO(p-METHYLPHENYL)	H

Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
5035	CO(p-METHYLPHENYL)	H	OH	H	CO(p-METHYLPHENYL)
5036	CO(p-METHYLPHENYL)	CO(p-METHYLPHENYL)	OH	H	CO(p-METHYLPHENYL)
5037	CO(p-METHYLPHENYL)	CO(p-METHYLPHENYL)	OH	H	CO(p-METHYLPHENYL)
5038	CO(p-METHYLPHENYL)	H	H	OH	H
5039	CO(p-METHYLPHENYL)	H	CO(p-METHYLPHENYL)	OH	H
5040	CO(p-METHYLPHENYL)	H	H	H	OH
5041	CO(p-METHYLPHENYL)	CO(p-METHYLPHENYL)	H	H	OH
5042	CO(p-METHYLPHENYL)	H	CO(p-METHYLPHENYL)	H	OH
5043	CO(p-METHYLPHENYL)	H	H	CO(p-METHYLPHENYL)	OH
5044	CO(p-METHYLPHENYL)	CO(p-METHYLPHENYL)	CO(p-METHYLPHENYL)	H	OH
5045	CO(p-METHYLPHENYL)	CO(p-METHYLPHENYL)	H	CO(p-METHYLPHENYL)	OH
5046	CO(p-METHYLPHENYL)	H	CO(p-METHYLPHENYL)	CO(p-METHYLPHENYL)	OH
5047	CO(o-METHYLPHENYL)	H	H	H	H
5048	CO(o-METHYLPHENYL)	H	CO(o-METHYLPHENYL)	H	CO(o-METHYLPHENYL)
5049	CO(o-METHYLPHENYL)	H	H	H	CO(o-METHYLPHENYL)
5050	CO(o-METHYLPHENYL)	H	CO(o-METHYLPHENYL)	H	H
5051	CO(o-METHYLPHENYL)	CH ₃	H	H	H
5052	CO(o-METHYLPHENYL)	CH ₃	CO(o-METHYLPHENYL)	H	CO(o-METHYLPHENYL)
5053	CO(o-METHYLPHENYL)	CH ₃	H	H	CO(o-METHYLPHENYL)
5054	CO(o-METHYLPHENYL)	CH ₃	CO(o-METHYLPHENYL)	H	CO(o-METHYLPHENYL)

Table 31 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
5055	CO(<i>o</i> -METHYLPHENYL)	H	CH ₃	H	H
5056	CO(<i>o</i> -METHYLPHENYL)	H	CH ₃	H	CO(<i>o</i> -METHYLPHENYL)
5057	CO(<i>o</i> -METHYLPHENYL)	H	H	CH ₃	H
5058	CO(<i>o</i> -METHYLPHENYL)	H	CO(<i>o</i> -METHYLPHENYL)	CH ₃	H
5059	CO(<i>o</i> -METHYLPHENYL)	H	H	H	CH ₃
5060	CO(<i>o</i> -METHYLPHENYL)	H	CO(<i>o</i> -METHYLPHENYL)	H	CH ₃
5061	CO(<i>o</i> -METHYLPHENYL)	C ₂ H ₅	H	H	H
5062	CO(<i>o</i> -METHYLPHENYL)	C ₂ H ₅	CO(<i>o</i> -METHYLPHENYL)	H	H
5063	CO(<i>o</i> -METHYLPHENYL)	C ₂ H ₅	H	H	CO(<i>o</i> -METHYLPHENYL)
5064	CO(<i>o</i> -METHYLPHENYL)	C ₂ H ₅	CO(<i>o</i> -METHYLPHENYL)	H	CO(<i>o</i> -METHYLPHENYL)
5065	CO(<i>o</i> -METHYLPHENYL)	H	C ₂ H ₅	H	H
5066	CO(<i>o</i> -METHYLPHENYL)	H	C ₂ H ₅	H	CO(<i>o</i> -METHYLPHENYL)
5067	CO(<i>o</i> -METHYLPHENYL)	H	H	C ₂ H ₅	H
5068	CO(<i>o</i> -METHYLPHENYL)	H	CO(<i>o</i> -METHYLPHENYL)	C ₂ H ₅	H
5069	CO(<i>o</i> -METHYLPHENYL)	H	H	H	C ₂ H ₅
5070	CO(<i>o</i> -METHYLPHENYL)	H	CO(<i>o</i> -METHYLPHENYL)	H	C ₂ H ₅
5071	CO(<i>o</i> -METHYLPHENYL)	^a C ₃ H ₇	H	H	H
5072	CO(<i>o</i> -METHYLPHENYL)	^b C ₃ H ₇	CO(<i>o</i> -METHYLPHENYL)	H	CO(<i>o</i> -METHYLPHENYL)
5073	CO(<i>o</i> -METHYLPHENYL)	^c C ₃ H ₇	H	H	CO(<i>o</i> -METHYLPHENYL)
5074	CO(<i>o</i> -METHYLPHENYL)	^d C ₃ H ₇	CO(<i>o</i> -METHYLPHENYL)	H	CO(<i>o</i> -METHYLPHENYL)

[Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
5075	CO(<i>o</i> -METHYLPHENYL)	H	^a C ₆ H ₇	H	H
5076	CO(<i>o</i> -METHYLPHENYL)	H	^a C ₆ H ₇	H	CO(<i>o</i> -METHYLPHENYL)
5077	CO(<i>o</i> -METHYLPHENYL)	H	H	^a C ₆ H ₇	H
5078	CO(<i>o</i> -METHYLPHENYL)	H	CO(<i>o</i> -METHYLPHENYL)	^a C ₆ H ₇	^a C ₆ H ₇
5079	CO(<i>o</i> -METHYLPHENYL)	H	H	H	^a C ₆ H ₇
5080	CO(<i>o</i> -METHYLPHENYL)	H	CO(<i>o</i> -METHYLPHENYL)	H	H
5081	CO(<i>o</i> -METHYLPHENYL)	^b C ₆ H ₇	H	H	H
5082	CO(<i>o</i> -METHYLPHENYL)	^b C ₆ H ₇	CO(<i>o</i> -METHYLPHENYL)	H	H
5083	CO(<i>o</i> -METHYLPHENYL)	^b C ₆ H ₇	H	H	CO(<i>o</i> -METHYLPHENYL)
5084	CO(<i>o</i> -METHYLPHENYL)	^b C ₆ H ₇	CO(<i>o</i> -METHYLPHENYL)	H	CO(<i>o</i> -METHYLPHENYL)
5085	CO(<i>o</i> -METHYLPHENYL)	H	^b C ₆ H ₇	H	CO(<i>o</i> -METHYLPHENYL)
5086	CO(<i>o</i> -METHYLPHENYL)	H	^b C ₆ H ₇	^b C ₆ H ₇	H
5087	CO(<i>o</i> -METHYLPHENYL)	H	H	^b C ₆ H ₇	CO(<i>o</i> -METHYLPHENYL)
5088	CO(<i>o</i> -METHYLPHENYL)	H	CO(<i>o</i> -METHYLPHENYL)	^b C ₆ H ₇	^b C ₆ H ₇
5089	CO(<i>o</i> -METHYLPHENYL)	H	H	H	^b C ₆ H ₇
5090	CO(<i>o</i> -METHYLPHENYL)	H	CO(<i>o</i> -METHYLPHENYL)	H	H
5091	CO(<i>o</i> -METHYLPHENYL)	C ₁	H	H	H
5092	CO(<i>o</i> -METHYLPHENYL)	C ₁	CO(<i>o</i> -METHYLPHENYL)	H	CO(<i>o</i> -METHYLPHENYL)
5093	CO(<i>o</i> -METHYLPHENYL)	C ₁	H	H	CO(<i>o</i> -METHYLPHENYL)
5094	CO(<i>o</i> -METHYLPHENYL)	C ₁	CO(<i>o</i> -METHYLPHENYL)	H	CO(<i>o</i> -METHYLPHENYL)

Table 31 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
5095	CO(<i>o</i> -METHYLPHENYL)	H	Cl	H	H
5096	CO(<i>o</i> -METHYLPHENYL)	H	Cl	H	CO(<i>o</i> -METHYLPHENYL)
5097	CO(<i>o</i> -METHYLPHENYL)	H	H	Cl	H
5098	CO(<i>o</i> -METHYLPHENYL)	H	CO(<i>o</i> -METHYLPHENYL)	Cl	H
5099	CO(<i>o</i> -METHYLPHENYL)	H	H	H	Cl
5100	CO(<i>o</i> -METHYLPHENYL)	H	CO(<i>o</i> -METHYLPHENYL)	H	Cl
5101	CO(<i>o</i> -METHYLPHENYL)	CH ₃	CH ₃	H	H
5102	CO(<i>o</i> -METHYLPHENYL)	CH ₃	CH ₃	H	CO(<i>o</i> -METHYLPHENYL)
5103	CO(<i>o</i> -METHYLPHENYL)	CH ₃	H	CH ₃	H
5104	CO(<i>o</i> -METHYLPHENYL)	CH ₃	CO(<i>o</i> -METHYLPHENYL)	CH ₃	CO(<i>o</i> -METHYLPHENYL)
5105	CO(<i>o</i> -METHYLPHENYL)	CH ₃	H	CH ₃	CO(<i>o</i> -METHYLPHENYL)
5106	CO(<i>o</i> -METHYLPHENYL)	CH ₃	CO(<i>o</i> -METHYLPHENYL)	CH ₃	CO(<i>o</i> -METHYLPHENYL)
5107	CO(<i>o</i> -METHYLPHENYL)	CH ₃	H	H	CH ₃
5108	CO(<i>o</i> -METHYLPHENYL)	CH ₃	CO(<i>o</i> -METHYLPHENYL)	H	CH ₃
5109	CO(<i>o</i> -METHYLPHENYL)	H	CH ₃	CH ₃	CO(<i>o</i> -METHYLPHENYL)
5110	CO(<i>o</i> -METHYLPHENYL)	H	CH ₃	H	CH ₃
5111	CO(<i>o</i> -METHYLPHENYL)	H	CH ₃	H	CH ₃
5112	CO(<i>o</i> -METHYLPHENYL)	H	H	CH ₃	CH ₃
5113	CO(<i>o</i> -METHYLPHENYL)	H	CO(<i>o</i> -METHYLPHENYL)	CH ₃	CH ₃
5114	CO(<i>o</i> -METHYLPHENYL)	OCH ₃	H	H	H

Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
5115	CO(<i>o</i> -METHYLPHENYL)	OCH ₃	CO(<i>o</i> -METHYLPHENYL)	H	H
5116	CO(<i>o</i> -METHYLPHENYL)	OCH ₃	H	CO(<i>o</i> -METHYLPHENYL)	H
5117	CO(<i>o</i> -METHYLPHENYL)	OCH ₃	H	H	CO(<i>o</i> -METHYLPHENYL)
5118	CO(<i>o</i> -METHYLPHENYL)	OCH ₃	CO(<i>o</i> -METHYLPHENYL)	H	CO(<i>o</i> -METHYLPHENYL)
5119	CO(<i>o</i> -METHYLPHENYL)	H	OCH ₃	H	H
5120	CO(<i>o</i> -METHYLPHENYL)	CO(<i>o</i> -METHYLPHENYL)	OCH ₃	H	H
5121	CO(<i>o</i> -METHYLPHENYL)	H	OCH ₃	CO(<i>o</i> -METHYLPHENYL)	H
5122	CO(<i>o</i> -METHYLPHENYL)	H	OCH ₃	H	CO(<i>o</i> -METHYLPHENYL)
5123	CO(<i>o</i> -METHYLPHENYL)	CO(<i>o</i> -METHYLPHENYL)	OCH ₃	H	H
5124	CO(<i>o</i> -METHYLPHENYL)	CO(<i>o</i> -METHYLPHENYL)	OCH ₃	H	CO(<i>o</i> -METHYLPHENYL)
5125	CO(<i>o</i> -METHYLPHENYL)	H	H	OCH ₃	H
5126	CO(<i>o</i> -METHYLPHENYL)	H	CO(<i>o</i> -METHYLPHENYL)	OCH ₃	H
5127	CO(<i>o</i> -METHYLPHENYL)	H	H	H	OCH ₃
5128	CO(<i>o</i> -METHYLPHENYL)	CO(<i>o</i> -METHYLPHENYL)	H	H	OCH ₃
5129	CO(<i>o</i> -METHYLPHENYL)	H	CO(<i>o</i> -METHYLPHENYL)	H	OCH ₃
5130	CO(<i>o</i> -METHYLPHENYL)	H	H	CO(<i>o</i> -METHYLPHENYL)	OCH ₃
5131	CO(<i>o</i> -METHYLPHENYL)	CO(<i>o</i> -METHYLPHENYL)	CO(<i>o</i> -METHYLPHENYL)	H	OCH ₃
5132	CO(<i>o</i> -METHYLPHENYL)	CO(<i>o</i> -METHYLPHENYL)	H	CO(<i>o</i> -METHYLPHENYL)	OCH ₃
5133	CO(<i>o</i> -METHYLPHENYL)	H	CO(<i>o</i> -METHYLPHENYL)	CO(<i>o</i> -METHYLPHENYL)	OCH ₃
5134	CO(<i>o</i> -METHYLPHENYL)	OH	H	H	H

Table 31 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
5135	CO(<i>o</i> -METHYLPHENYL)	OH	CO(<i>o</i> -METHYLPHENYL)	H	H
5136	CO(<i>o</i> -METHYLPHENYL)	OH	H	CO(<i>o</i> -METHYLPHENYL)	H
5137	CO(<i>o</i> -METHYLPHENYL)	OH	H	H	CO(<i>o</i> -METHYLPHENYL)
5138	CO(<i>o</i> -METHYLPHENYL)	OH	CO(<i>o</i> -METHYLPHENYL)	H	CO(<i>o</i> -METHYLPHENYL)
5139	CO(<i>o</i> -METHYLPHENYL)	H	OH	H	H
5140	CO(<i>o</i> -METHYLPHENYL)	CO(<i>o</i> -METHYLPHENYL)	OH	H	H
5141	CO(<i>o</i> -METHYLPHENYL)	H	OH	CO(<i>o</i> -METHYLPHENYL)	H
5142	CO(<i>o</i> -METHYLPHENYL)	H	OH	H	CO(<i>o</i> -METHYLPHENYL)
5143	CO(<i>o</i> -METHYLPHENYL)	CO(<i>o</i> -METHYLPHENYL)	OH	H	H
5144	CO(<i>o</i> -METHYLPHENYL)	CO(<i>o</i> -METHYLPHENYL)	OH	H	CO(<i>o</i> -METHYLPHENYL)
5145	CO(<i>o</i> -METHYLPHENYL)	H	H	OH	H
5146	CO(<i>o</i> -METHYLPHENYL)	H	CO(<i>o</i> -METHYLPHENYL)	OH	H
5147	CO(<i>o</i> -METHYLPHENYL)	H	H	H	OH
5148	CO(<i>o</i> -METHYLPHENYL)	CO(<i>o</i> -METHYLPHENYL)	H	H	OH
5149	CO(<i>o</i> -METHYLPHENYL)	H	CO(<i>o</i> -METHYLPHENYL)	H	CO(<i>o</i> -METHYLPHENYL)
5150	CO(<i>o</i> -METHYLPHENYL)	H	H	H	OH
5151	CO(<i>o</i> -METHYLPHENYL)	CO(<i>o</i> -METHYLPHENYL)	CO(<i>o</i> -METHYLPHENYL)	H	OH
5152	CO(<i>o</i> -METHYLPHENYL)	CO(<i>o</i> -METHYLPHENYL)	H	CO(<i>o</i> -METHYLPHENYL)	OH
5153	CO(<i>o</i> -METHYLPHENYL)	H	CO(<i>o</i> -METHYLPHENYL)	CO(<i>o</i> -METHYLPHENYL)	OH
5154	CO(2-NAPHTHYL)	H	H	H	H

Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
5155	CO(2-NAPHTHYL)	H	CO(2-NAPHTHYL)	H	H
5156	CO(2-NAPHTHYL)	H	H	H	CO(2-NAPHTHYL)
5157	CO(2-NAPHTHYL)	H	CO(2-NAPHTHYL)	H	CO(2-NAPHTHYL)
5158	CO(2-NAPHTHYL)	CH ₃	H	H	H
5159	CO(2-NAPHTHYL)	CH ₃	CO(2-NAPHTHYL)	H	H
5160	CO(2-NAPHTHYL)	CH ₃	H	H	CO(2-NAPHTHYL)
5161	CO(2-NAPHTHYL)	CH ₃	CO(2-NAPHTHYL)	H	CO(2-NAPHTHYL)
5162	CO(2-NAPHTHYL)	H	CH ₃	H	H
5163	CO(2-NAPHTHYL)	H	CH ₃	H	CO(2-NAPHTHYL)
5164	CO(2-NAPHTHYL)	H	H	CH ₃	H
5165	CO(2-NAPHTHYL)	H	CO(2-NAPHTHYL)	CH ₃	H
5166	CO(2-NAPHTHYL)	H	H	H	CH ₃
5167	CO(2-NAPHTHYL)	H	CO(2-NAPHTHYL)	H	CH ₃
5168	CO(2-NAPHTHYL)	C ₂ H ₅	H	H	H
5169	CO(2-NAPHTHYL)	C ₂ H ₅	CO(2-NAPHTHYL)	H	H
5170	CO(2-NAPHTHYL)	C ₂ H ₅	H	H	CO(2-NAPHTHYL)
5171	CO(2-NAPHTHYL)	C ₂ H ₅	CO(2-NAPHTHYL)	H	CO(2-NAPHTHYL)
5172	CO(2-NAPHTHYL)	H	C ₂ H ₅	H	H
5173	CO(2-NAPHTHYL)	H	C ₂ H ₅	H	CO(2-NAPHTHYL)
5174	CO(2-NAPHTHYL)	H	H	C ₂ H ₅	H

Table 3 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
5175	CO(2-NAPHTHYL)	H	CO(2-NAPHTHYL)	C ₂ H ₅	H
5176	CO(2-NAPHTHYL)	H	H		C ₂ H ₅
5177	CO(2-NAPHTHYL)	H	CO(2-NAPHTHYL)	H	C ₂ H ₅
5178	CO(2-NAPHTHYL)	ⁿ C ₈ H ₇	H	H	H
5179	CO(2-NAPHTHYL)	ⁿ C ₈ H ₇	CO(2-NAPHTHYL)	H	H
5180	CO(2-NAPHTHYL)	ⁿ C ₈ H ₇	H		CO(2-NAPHTHYL)
5181	CO(2-NAPHTHYL)	ⁿ C ₈ H ₇	CO(2-NAPHTHYL)	H	CO(2-NAPHTHYL)
5182	CO(2-NAPHTHYL)	H	ⁿ C ₈ H ₇	H	
5183	CO(2-NAPHTHYL)	H	ⁿ C ₈ H ₇	H	CO(2-NAPHTHYL)
5184	CO(2-NAPHTHYL)	H	H		H
5185	CO(2-NAPHTHYL)	H	CO(2-NAPHTHYL)	ⁿ C ₈ H ₇	
5186	CO(2-NAPHTHYL)	H	H	ⁿ C ₈ H ₇	
5187	CO(2-NAPHTHYL)	H	CO(2-NAPHTHYL)	H	ⁿ C ₈ H ₇
5188	CO(2-NAPHTHYL)	^l C ₈ H ₇	H	H	H
5189	CO(2-NAPHTHYL)	^l C ₈ H ₇	CO(2-NAPHTHYL)	H	
5190	CO(2-NAPHTHYL)	^l C ₈ H ₇	H		CO(2-NAPHTHYL)
5191	CO(2-NAPHTHYL)	^l C ₈ H ₇	CO(2-NAPHTHYL)	H	CO(2-NAPHTHYL)
5192	CO(2-NAPHTHYL)	H	^l C ₈ H ₇	H	
5193	CO(2-NAPHTHYL)	H	^l C ₈ H ₇	H	CO(2-NAPHTHYL)
5194	CO(2-NAPHTHYL)	H	H	^l C ₈ H ₇	H

Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
5195	CO(2-NAPHTHYL)	H	CO(2-NAPHTHYL)	¹ C ₆ H ₅	H
5196	CO(2-NAPHTHYL)	H	H	¹ C ₆ H ₅	¹ C ₆ H ₅
5197	CO(2-NAPHTHYL)	H	CO(2-NAPHTHYL)	H	¹ C ₆ H ₅
5198	CO(2-NAPHTHYL)	C ₁	H	H	H
5199	CO(2-NAPHTHYL)	C ₁	CO(2-NAPHTHYL)	H	H
5200	CO(2-NAPHTHYL)	C ₁	H	H	CO(2-NAPHTHYL)
5201	CO(2-NAPHTHYL)	C ₁	CO(2-NAPHTHYL)	H	CO(2-NAPHTHYL)
5202	CO(2-NAPHTHYL)	H	C ₁	H	H
5203	CO(2-NAPHTHYL)	H	C ₁	H	CO(2-NAPHTHYL)
5204	CO(2-NAPHTHYL)	H	H	C ₁	H
5205	CO(2-NAPHTHYL)	H	CO(2-NAPHTHYL)	C ₁	H
5206	CO(2-NAPHTHYL)	H	H	H	CO(2-NAPHTHYL)
5207	CO(2-NAPHTHYL)	H	CO(2-NAPHTHYL)	H	C ₁
5208	CO(2-NAPHTHYL)	CH ₃	CH ₃	H	H
5209	CO(2-NAPHTHYL)	CH ₃	CH ₃	H	CO(2-NAPHTHYL)
5210	CO(2-NAPHTHYL)	CH ₃	H	CH ₃	H
5211	CO(2-NAPHTHYL)	CH ₃	CO(2-NAPHTHYL)	CH ₃	H
5212	CO(2-NAPHTHYL)	CH ₃	H	CH ₃	CO(2-NAPHTHYL)
5213	CO(2-NAPHTHYL)	CH ₃	CO(2-NAPHTHYL)	CH ₃	CO(2-NAPHTHYL)
5214	CO(2-NAPHTHYL)	CH ₃	H	H	CH ₃

Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
5215	CO(2-NAPHTHYL)	CH ₃	CO(2-NAPHTHYL)	H	CH ₃
5216	CO(2-NAPHTHYL)	H	CH ₃	CH ₃	H
5217	CO(2-NAPHTHYL)	H	CH ₃	CH ₃	CO(2-NAPHTHYL)
5218	CO(2-NAPHTHYL)	H	CH ₃	H	CH ₃
5219	CO(2-NAPHTHYL)	H	H	CH ₃	CH ₃
5220	CO(2-NAPHTHYL)	H	CO(2-NAPHTHYL)	CH ₃	CH ₃
5221	CO(2-NAPHTHYL)	OCH ₃	H	H	H
5222	CO(2-NAPHTHYL)	OCH ₃	CO(2-NAPHTHYL)	H	H
5223	CO(2-NAPHTHYL)	OCH ₃	H	CO(2-NAPHTHYL)	H
5224	CO(2-NAPHTHYL)	OCH ₃	H	H	CO(2-NAPHTHYL)
5225	CO(2-NAPHTHYL)	OCH ₃	CO(2-NAPHTHYL)	H	CO(2-NAPHTHYL)
5226	CO(2-NAPHTHYL)	H	OCH ₃	H	H
5227	CO(2-NAPHTHYL)	CO(2-NAPHTHYL)	OCH ₃	H	CO(2-NAPHTHYL)
5228	CO(2-NAPHTHYL)	H	OCH ₃	CO(2-NAPHTHYL)	H
5229	CO(2-NAPHTHYL)	H	OCH ₃	H	CO(2-NAPHTHYL)
5230	CO(2-NAPHTHYL)	CO(2-NAPHTHYL)	OCH ₃	CO(2-NAPHTHYL)	H
5231	CO(2-NAPHTHYL)	CO(2-NAPHTHYL)	OCH ₃	H	CO(2-NAPHTHYL)
5232	CO(2-NAPHTHYL)	H	H	OCH ₃	H
5233	CO(2-NAPHTHYL)	H	CO(2-NAPHTHYL)	OCH ₃	H
5234	CO(2-NAPHTHYL)	H	H	H	OCH ₃

Table 31 (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
5235	CO(2-NAPHTHYL)	CO(2-NAPHTHYL)	H	H	OCH ₃
5236	CO(2-NAPHTHYL)	H	CO(2-NAPHTHYL)	H	OCH ₃
5237	CO(2-NAPHTHYL)	H	H	CO(2-NAPHTHYL)	OCH ₃
5238	CO(2-NAPHTHYL)	CO(2-NAPHTHYL)	CO(2-NAPHTHYL)	H	OCH ₃
5239	CO(2-NAPHTHYL)	CO(2-NAPHTHYL)	H	CO(2-NAPHTHYL)	OCH ₃
5240	CO(2-NAPHTHYL)	H	CO(2-NAPHTHYL)	CO(2-NAPHTHYL)	OCH ₃
5241	CO(2-NAPHTHYL)	OH	H	H	H
5242	CO(2-NAPHTHYL)	OH	CO(2-NAPHTHYL)	H	H
5243	CO(2-NAPHTHYL)	OH	H	CO(2-NAPHTHYL)	H
5244	CO(2-NAPHTHYL)	OH	H	H	CO(2-NAPHTHYL)
5245	CO(2-NAPHTHYL)	OH	CO(2-NAPHTHYL)	H	CO(2-NAPHTHYL)
5246	CO(2-NAPHTHYL)	H	OH	CO(2-NAPHTHYL)	H
5247	CO(2-NAPHTHYL)	CO(2-NAPHTHYL)	OH	H	CO(2-NAPHTHYL)
5248	CO(2-NAPHTHYL)	H	OH	CO(2-NAPHTHYL)	H
5249	CO(2-NAPHTHYL)	H	OH	H	CO(2-NAPHTHYL)
5250	CO(2-NAPHTHYL)	CO(2-NAPHTHYL)	OH	CO(2-NAPHTHYL)	H
5251	CO(2-NAPHTHYL)	CO(2-NAPHTHYL)	OH	H	CO(2-NAPHTHYL)
5252	CO(2-NAPHTHYL)	H	H	OH	H
5253	CO(2-NAPHTHYL)	H	CO(2-NAPHTHYL)	OH	H
5254	CO(2-NAPHTHYL)	H	H	H	OH

Table 3] (Continued)

Compound No.	R ₁	R ₂	R ₃	R ₄	R ₅
5255	CO(2-NAPHTHYL)	CO(2-NAPHTHYL)	H	H	OH
5256	CO(2-NAPHTHYL)	H	CO(2-NAPHTHYL)	H	OH
5257	CO(2-NAPHTHYL)	H	H	CO(2-NAPHTHYL)	OH
5258	CO(2-NAPHTHYL)	CO(2-NAPHTHYL)	CO(2-NAPHTHYL)	H	OH
5259	CO(2-NAPHTHYL)	CO(2-NAPHTHYL)	H	CO(2-NAPHTHYL)	OH
5260	CO(2-NAPHTHYL)	H	CO(2-NAPHTHYL)	CO(2-NAPHTHYL)	OH

From the viewpoint of the ease of synthesis and performances in which a useful substance is selectively separated, chemically stabilized, rendered nonvolatile, gradually releasable, powdered or otherwise treated, of the phenol derivatives of Formula (I), particularly preferred compounds listed in Table 1 are 1 to 64, 77 to 86, 123 to 138, 209 to 230, 295 to 310, 381 to 396, 467 to 482, 553 to 568, 639 to 654, 695 to 740, 811 to 826, 861 to 924, 937 to 942, 983 to 998, 1069 to 1090, 1155 to 1170, 1241 to 1256, 1327 to 1342, 1413 to 1428, 1499 to 1514, 1585 to 1600, 1631 to 1634 and 1671 to 1686. More preferred compounds in Table 1 are 37 to 48, 77 to 82, 123 to 134, 209 to 220, 295 to 306, 381 to 392, 467 to 478, 553 to 564, 639 to 650, 695 to 736, 811 to 822, 897 to 908, 983 to 994, 1069 to 1080, 1155 to 1166, 1241 to 1252, 1327 to 1338, 1413 to 1424, 1499 to 1510, 1585 to 1596 and 1671 to 1682. Of them, particularly preferred are 37 to 39, 41 to 43, 45 to 47, 209 to 211, 213 to 215, 295 to 297, 299 to 301, 381 to 383, 385 to 387, 389 to 391, 467 to 469, 471 to 473, 553 to 555, 557 to 559, 695 to 697, 699 to 701, 811 to 813, 815 to 817, 897 to 899, 901 to 903, 905 to 907, 1069 to 1071, 1073 to 1075, 1155 to 1157, 1159 to 1161, 1241 to 1243, 1245 to 1247, 1327 to 1329, 1331 to 1333, 1413 to 1415, 1417 to 1419, 1585 to 1587, 1589 to 1591, 1671 to 1673 and 1675 to 1677.

Particularly preferred compounds listed in Table 2 are 1721 to 1790, 1836 to 1850, 1906 to 1920, 1976 to 1990, 2046 to 2060, 2116 to 2130, 2188 to 2200, 2256 to 2270, 2326 to 2345, 2396 to 2410, 2421 to 2490, 2536 to 2550, 2606 to 2620, 2676 to 2692, 2746 to 2760, 2816 to 2830, 2886 to 2900, 2956 to 2970, 3026 to 3040 and 3096 to 3110. More preferred compounds in Table 2 are 1766 to 1780, 1909, 1910, 1914, 1915, 1919, 1920, 1979, 1980, 1984, 1985, 2049, 2050, 2054, 2055, 2059, 2060, 2119, 2120, 2124, 2125, 2189, 2190, 2194, 2195, 2329, 2330, 2334, 2335, 2399, 2400, 2404, 2405, 2466 to 2480, 2609, 2610, 2614, 2615, 2679, 2680, 2684, 2685, 2749, 2750, 2754, 2755, 2819, 2820, 2824, 2825, 2889, 2890, 2894, 2895, 3029, 3030, 3034, 3035, 3099, 3100, 3104 and 3105.

Particularly preferred compounds listed in Table 3 are 3870 to 4297, 4404 to 4618 and 4833 to 5260. Of them, particularly preferred compounds in Table 3 are 3870 to 4190 and 4512 to 4618. More preferred are 3870 to 3883, 3977 to 3990, 4084 to 4097 and 4084 to 4097.

The phenol derivatives of Formula (I) can be produced by the Friedel-Crafts reaction of a compound such as dihydroxydiphenyl sulfone derivatives, dihydroxydiphenyl ether derivatives, dihydroxydiphenyl thioether derivatives, dihydroxydiphenyl ketone derivatives, 2,2-bis(hydroxyphenyl)propane derivatives or substituted phenols, with alkylsulfonyl chloride, alkenylsulfonyl chloride, phenylsulfonyl chloride, alkylcarbonyl chloride, alkenylcarbonyl chloride, phenylcarbonyl chloride or the like, in the presence of a Lewis acid, such as iron chloride, aluminum chloride and zinc chloride.

The phenol derivatives of this invention are usually crystalline solids but may be amorphous or oily. They may be polymorphic. Regardless of the forms, all of the phenol derivatives of Formula (I) are covered by the present invention.

In the present invention, substances that form molecular compounds with the phenol derivatives of Formula (I) are any substances and are not particularly restricted if they can form molecular compounds with the derivatives. Their examples include water; alcohols such as methanol, ethanol, isopropanol, n-butanol, n-octanol, 2-ethylhexanol, allyl alcohol, propargyl alcohol, 1,2-butanediol, 1,3-butanediol, 1,4-butanediol, cyclohexanediol, 2-bromo-2-nitropropane-1,3-diol, 2,2-dibromo-2-nitroethanol and 4-chlorophenyl-3-iodopropargyl formal; aldehydes such as formaldehyde, acetaldehyde, n-butyraldehyde, propionaldehyde, benzaldehyde, phthalaldehyde, α -bromocinnamaldehyde and phenylacetaldehyde; ketones such as acetone, methyl ethyl ketone, diethyl ketone, dibutyl ketone, methyl isobutyl ketone, cyclohexanone, acetyl acetone and 2-bromo-4'-hydroxyacetophenone; nitriles such as acetonitrile, acrylonitrile, n-butylonitrile, malomonitrile, phenylacetonitrile, benzonitrile, cyanopyridine, 2,2-dibromomethylglutaronitrile, 2,3,5,6-tetrachloroisophthalonitrile, 5-chloro-2,4,6-trifluoroisophthalonitrile and 1,2-dibromo-2,4-dicyanobutane; ethers such as diethyl ether, dibutyl ether, tetrahydrofuran, dioxane, tetrahydropyran, dioxolane and trioxane; esters such as methyl acetate, ethyl acetate, butyl acetate, n-heptyl acetate and bis-1,4-bromoacetoxy-2-butene; sulfone amides such as benzene sulfone amide; amides such as N-methyl formamide, N,N-dimethyl formamide, dicyane diamide, dibromonitrile propionamide, 2,2-dibromo-3-nitrilo propionamide and N,N-diethyl-m-toluamide; halogenated hydrocarbons such as dichloromethane, chloroform, dichloroethylene and tetrachloroethylene; lactams such as ϵ -caprolactam; lactones such as ϵ -caprolactone; oxiranes such as arylglycidyl ether; morphorines; phenols such as phenol, cresol, resorcinol and p-chloro-m-cresol; carboxylic acids and thiocarboxylic acids such as formic acid, acetic acid, propionic acid, oxalic acid, citric acid, adipic acid, tartaric acid, benzoic acid, phthalic acid and salicylic acid; sulfamic acids; thiocarbamic acids; thiosemicarbazides; ureas and thioureas such as urea, phenylurea, diphenylurea, thiourea, phenylthiourea, diphenylthiourea and N,N-dimethylchlorophenylurea; isothioureas; sulfonylureas; thiols such as thiophenol, allyl mercaptan, n-butyl mercaptan and benzyl mercaptan; sulfides such as benzyl sulfide and butyl methyl sulfide; disulfides such as dibutyl disulfide, dibenzyl disulfide and tetramethylthiuram disulfide; sulfoxides such as dimethyl sulfoxide, dibutyl sulfoxide and dibenzyl sulfoxide; sulfones such as dimethyl sulfone, phenyl sulfone, phenyl-(2-cyano-2-chlorovinyl) sulfone, hexabromodimethyl sulfone and diiodomethylparatolyl sulfone; thiocyanic acids and isothiocyanic acids such as methyl thiocyanate and methyl isothiocyanate; amino acids such as glycine, alanine, leucine, lysine, methionine and glutamine; amides and urethane compounds; acid anhydrides; aromatic hydrocarbons such as benzene, toluene and xylene; alkanes; alkenes; alkynes; isocyanates such as butyl isocyanate, cyclohexyl isocyanate and phenyl isocyanate; thiocyanates and isothiocyanates such as methylene bisthiocyanate and methylene bis(isothiocyanate); nitro compounds such as tris(hydroxymethyl)nitromethane; non-cyclic aliphatic amines such as ammonia, methylamine, ethylamine, propylamine, butylamine, pentylamine, hexylamine, allylamine, hydroxylamine, ethanolamine, benzylamine, ethylenediamine,

1,2-propanediamine, 1,3-propanediamine, 1,4-butanediamine, 1,5-pentanediamine, 1,6-hexanediamine, diethylenetriamine, triethylenetetramine, tetraethylenepentamine, dipropylenediamine, N,N-dimethylmethylenediamine, N,N'-dimethylmethylenediamine, N,N-dimethyl-1,3-propanediamine, N-ethyl-1,3-propanediamine, trimethylhexamethylenediamine, alkyl-t-monoamine, menthanediamine, isophoronediamine, guanidine and N-(2-hydroxypropyl)amino methanol; cyclic aliphatic amines such as cyclohexylamine, cyclohexanediamine, bis(4-aminocyclohexyl)methane, pyrrolidines, azetidines, piperidines, piperadines such as piperadine, N-aminoethylpiperadine and N,N'-dimethylpiperadine, and pyrrolines; aromatic amines such as aniline, N-methylaniline, N,N-dimethylaniline, o-phenylenediamine, m-phenylenediamine, p-phenylenediamine, diaminodiphenylmethane, diaminodiphenyl sulfone and m-xylenediamine; modified polyamines such as epoxy compound-added polyamines, Micheul-added polyamines, Mannich-added polyamines, thiourea-added polyamines and ketone-blocked polyamines; imidazoles such as imidazole, 2-methylimidazole, 2-ethylimidazole, 2-isopropylimidazole, 2-n-propylimidazole, 2-ethyl-4-methylimidazole, 1-benzyl-2-methylimidazole, 2-undecyl-1H-imidazole, 2-heptadecyl-1H-imidazole, 2-phenyl-1H-imidazole, 4-methyl-2-phenyl-1H-imidazole and 1-benzyl-2-methylimidazole; heterocyclic compounds containing nitrogen such as pyrrole, pyridine, picoline, pyrazine, pyridazine, pyrimidine, pyrazole, triazole, benzotriazole, triazine, tetrazole, purine, indole, quinoline, isoquinoline, carbazole, imidazoline, pyrroline, oxazole, piperine, pyrimidine, pyridazine, benzimidazole, indazole, quinazoline, quinoxaline, phthalimide, adenine, cytosine, guanine, uracil, 2-methoxycarbonylbenzimidazole, 2,3,5,6-tetrachloro-4-methanesulfonypyridine, 2,2-dithio-bis-(pyridine-1-oxide), N-methylpyrrolidone, 2-benzimidazole, methyl carbamate, sodium 2-pyridinethiol-1-oxide, hexahydro-1,3,5-tris(2-hydroxyethyl)-s-triazine, hexahydro-1,3,5-triethyl-s-triazine, 2-methylthio-4-t-butylamino-6-cyclopropylamino-s-triazine, N-(fluorodichloromethylthio)phthalimide, 1-bromo-3-chloro-5,5-dimethylhydantoin, 2-methoxycarbonylbenzimidazole and 2,4,6-trichlorophenylmaleimide; heterocyclic compounds containing oxygen such as furan, furfuryl alcohol, tetrahydrofurfuryl alcohol, furfurylamine, pyrane, coumarin, benzofuran, xanthene and benzodioxane; heterocyclic compounds containing nitrogen and oxygen such as oxazole, isooxazole, benzoxazole, benzoisooxazole, 5-methyloxazolidine, 4-(2-nitrobutyl)morpholine and 4,4'-(2-ethyl-2-nitrotrimethylene)dimorpholine; heterocyclic compounds containing sulfur such as thiophene, 3,3,4,4-tetrahydrothiophene-1,1-dioxide, 4,5-dichloro-1,2-dithiolan-3-one, 5-chloro-4-phenyl-1,2-dithiolan-3-one and 3,3,4,4-tetrachlorotetrahydrothiophene-1,1-dioxide; heterocyclic compounds containing nitrogen and sulfur such as thiazole, benzothiazole, 5-chloro-2-methyl-4-isothiazolin-3-one, 2-methyl-4-isothiazolin-3-one, 4,5-dichloro-3-n-octylisothiazolin-3-one, 2-octyl-4-isothiazolin-3-one, 1,2-benzisothiazolin-3-one, 2-thiocyanomethylbenzothiazole, 2-(4-thiazolyl)benzimidazole and 2-thiocyanomethylbenzothiazole; steroids such as cholesterol; alkaloids such as brucine, quinine and theophylline; natural essential oils

such as cineol, hinokitiol, menthol, terpineol, borneol, nopol, citral, citronellol, citronellal, geraniol, menthone, eugenol, linalool and dimethyloctanol; synthetic perfumes such as fragrant olive, jasmine and lemon; vitamins and related compounds such as ascorbic acid, nicotinic acid and nicotinamide.

The molecular compounds of the present invention can be produced by mixing directly or mixing in a solvent a phenol derivative of Formula (I) and substances, such as those mentioned above, that form a molecular compound with the said derivative. In case a substance has a low boiling point or high vapor pressure, a target molecular compound can be produced by reacting a phenol derivative of the present invention with the vapor of the substance. In addition, a target molecular compound may be obtained by a way that first a molecular compound composed of a phenol derivative of the present invention and a certain substance is formed and then this molecular compound is reacted with another substance by such a method as mentioned above.

It can be confirmed by such techniques as thermal analyses (TG and DTA), infrared spectra (IR), X-ray diffraction patterns or solid NMR spectra that the substances obtained by these methods are certainly molecular compounds. The compositions of the molecular compounds can be confirmed by thermal analyses, ¹H-NMR spectra, high-performance liquid chromatography (HPLC), elemental analyses and the like.

The molecular compounds of the present invention may vary in the ratio of the constituents, depending on their production conditions. It is possible to produce multi-constituent molecular compounds composed of three or more constituents, by reacting two or more substances with a phenol derivative of this invention.

It is preferable that the molecular compounds of the present invention are crystalline from the viewpoint of functions such that a useful substance is selectively separated, chemically stabilized, rendered nonvolatile or powdered and for the purpose of the stable production of molecular compounds of a constant composition. Particularly crystalline clathrate compounds are more preferred.

The same substance may be polymorphic. Crystallinity is examined mainly by X-ray diffraction patterns. The existence of polymorphism can be confirmed by thermal analyses, X-ray diffraction patterns, solid NMR and the like. In this invention clathrate compounds are defined as substances of which there are cavities of appropriate size inside a three-dimensional structure formed by atomic or molecular bonds and other atoms or molecules are included at a constant composition ratio in the cavities by non-covalent bonding interactions.

There are no particular restrictions on ways of using the molecular compounds of the present invention. For example, a mixture of two or more molecular compounds, each of which is formed with different constituent compounds, can be used. Other substances can be used together with the molecular compounds of this invention as long as target functions are not damaged. A way of using the molecular compounds of this invention is to mix with an agent, such as an excipient, to form granules or tablets. In addition, the compounds may be used to add to resins, coating materials, and their raw

materials or raw material compositions. The molecular compounds of this invention can be used, as they are, as materials for organic syntheses or as specific sites for reactions.

For example, a clathrate compound composed of a phenol derivative of the aforementioned Formula (I) of the present invention as a host compound and, as guest compounds, substances including isothiazolone bactericides such as 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one; antibacterial, insecticidal and moss proofing agents such as hinokitiol and 1,8-cineol; perfumes such as rosemary; antifouling agents such as isothiazolone compounds; catalysts including curing agents for epoxy resins such as phthalic anhydride, tetrahydrophthalic anhydride and 2-ethyl-4-methylimidazole and curing accelerators for epoxy resins such as 1,8-diazabicyclo(4,5,0)undecene-7; and organic solvents such as toluene, xylene and pyridine, has additional new functions such that a useful substance is gradually releasable, reduced in skin stimulation, chemically stabilized, rendered nonvolatile, powdered and selectively separated, in addition to the original actions of the guest compounds. Compounds such as the above are very useful, with new characteristics, as bactericides, antibacterial agents, insecticides, moss proofing agents, perfumes, antifouling agents, catalysts such as curing agents for epoxy resins, and organic solvents.

Brief Description of Figures:

Figure 1 shows a thermal analysis (TG/DTA) chart of the molecular compound composed of 3,3'-bis(phenylsulfonyl)-4,4'-dihydroxydiphenyl sulfone and 5-chloro-2-methyl-4-isothiazolin-3-one of the composition ratio of 1:2 (molar ratio), that was obtained in Example 1 of this invention.

Figure 2 shows a ¹H-NMR spectrum (for which a d-chloroform solvent was used) of the molecular compound composed of 3,3'-bis(phenylsulfonyl)-4,4'-dihydroxydiphenyl sulfone and 5-chloro-2-methyl-4-isothiazolin-3-one of the composition ratio of 1:2 (molar ratio), that was obtained in Example 1 of this invention.

Figure 3 shows a X-ray diffraction pattern of the molecular compound composed of 3,3'-bis(phenylsulfonyl)-4,4'-dihydroxydiphenyl sulfone and 5-chloro-2-methyl-4-isothiazolin-3-one of the composition ratio of 1:2 (molar ratio), that was obtained in Example 1 of this invention.

Figure 4 shows a ¹H-NMR spectrum (for which a dimethyl sulfoxide-d₆ solvent was used) of the molecular compound composed of 3,3'-bis(phenylsulfonyl)-4,4'-dihydroxydiphenyl sulfone and 2-ethyl-4-methylimidazole of the composition ratio of 1:2 (molar ratio), that was obtained in Example 4 of this invention.

Figure 5 shows a X-ray diffraction pattern of the molecular compound composed of 3,3'-bis(phenylsulfonyl)-4,4'-dihydroxydiphenyl sulfone and 2-ethyl-4-methylimidazole of the composition ratio of 1:2 (molar ratio), that was obtained in Example 4 of this invention.

Figure 6 shows the measuring results of DSC showing curing characteristics of epoxy resins when the clathrated catalyst composed of 3,3'-bis(phenylsulfonyl)-4,4'-

dihydroxydiphenyl sulfone and 2-ethyl-4-methylimidazole of the composition ratio of 1:2 (molar ratio), that was obtained in Example 4 of this invention, was used.

Figure 7 shows a $^1\text{H-NMR}$ spectrum (for which a dimethyl sulfoxide-d₆ solvent was used) of the molecular compound composed of 3,3'-bis(phenylsulfonyl)-4,4'-dihydroxydiphenyl sulfone and pyridine of the composition ratio of 1:2 (molar ratio), that was obtained in Example 5 of this invention.

Figure 8 shows a thermal analysis (TG/DTA) chart of the molecular compound composed of 3,3'-bis(phenylsulfonyl)-4,4'-dihydroxydiphenyl sulfone and pyridine of the composition ratio of 1:2 (molar ratio), that was obtained in Example 5 of this invention.

Figure 9 shows a $^1\text{H-NMR}$ spectrum (for which a dimethyl sulfoxide-d₆ solvent was used) of the molecular compound composed of 3,3'-bis(phenylsulfonyl)-4,4'-dihydroxydiphenyl sulfone, pyridine and 1,3-dimethyl-2-imidazolidinone of the composition ratio of 1:1:1 (molar ratio), that was obtained in Example 6 of this invention.

Figure 10 shows a thermal analysis (TG/DTA) chart of the molecular compound composed of 3,3'-bis(phenylsulfonyl)-4,4'-dihydroxydiphenyl sulfone, pyridine and 1,3-dimethyl-2-imidazolidinone of the composition ratio of 1:1:1 (molar ratio), that was obtained in Example 6 of this invention.

Figure 11 shows a $^1\text{H-NMR}$ spectrum (for which a dimethyl sulfoxide-d₆ solvent was used) of the molecular compound composed of 2,4-bis(phenylsulfonyl)phenol and 1,3-dimethyl-2-imidazolidinone of the composition ratio of 1:1 (molar ratio), that was obtained in Example 8 of this invention.

Figure 12 shows a $^1\text{H-NMR}$ spectrum (for which a dimethyl sulfoxide-d₆ solvent was used) of the molecular compound composed of 2,4-bis(phenylsulfonyl)phenol and pyridine of the composition ratio of 1:1 (molar ratio), that was obtained in Example 8 of this invention.

Figure 13 shows a $^1\text{H-NMR}$ spectrum (for which a dimethyl sulfoxide-d₆ solvent was used) of the molecular compound composed of 2,4-bis(phenylsulfonyl)phenol and N,N-dimethylformamide of the composition ratio of 1:1 (molar ratio), that was obtained in Example 8 of this invention.

Figure 14 shows a $^1\text{H-NMR}$ spectrum (for which a dimethyl sulfoxide-d₆ solvent was used) of the molecular compound composed of 2,4-bis(phenylsulfonyl)phenol and dimethyl sulfoxide of the composition ratio of 1:0.75 (molar ratio), that was obtained in Example 8 of this invention.

Figure 15 shows a thermal analysis (TG/DTA) chart of the molecular compound composed of 2,4-bis(phenylsulfonyl)phenol and 1,3-dimethyl-2-imidazolidinone of the composition ratio of 1:1 (molar ratio), that was obtained in Example 8 of this invention.

Figure 16 shows a thermal analysis (TG/DTA) chart of the molecular compound composed of 2,4-bis(phenylsulfonyl)phenol and pyridine of the composition ratio of 1:1 (molar ratio), that was obtained in Example 8 of this invention.

Figure 17 shows a thermal analysis (TG/DTA) chart of the molecular compound

composed of 2,4-bis(phenylsulfonyl)phenol and N,N-dimethylformamide of the composition ratio of 1:1 (molar ratio), that was obtained in Example 8 of this invention.

Figure 18 shows a thermal analysis (TG/DTA) chart of the molecular compound composed of 2,4-bis(phenylsulfonyl)phenol and dimethyl sulfoxide of the composition ratio of 1:0.75 (molar ratio), that was obtained in Example 8 of this invention.

Figure 19 shows a $^1\text{H-NMR}$ spectrum (for which a dimethyl sulfoxide- d_6 solvent was used) of 2,4-bis(phenylsulfonyl)phenol.

Figure 20 shows a $^1\text{H-NMR}$ spectrum (for which a dimethyl sulfoxide- d_6 solvent was used) of the molecular compound composed of 2,4,6-tris(phenylsulfonyl)phenol and acetone of the composition ratio of 1:1 (molar ratio), that was obtained in Example 9 of this invention.

Figure 21 shows a $^1\text{H-NMR}$ spectrum (for which a dimethyl sulfoxide- d_6 solvent was used) of the molecular compound composed of 2,4,6-tris(phenylsulfonyl)phenol and ethyl acetate of the composition ratio of 1:1 (molar ratio), that was obtained in Example 9 of this invention.

Figure 22 shows a $^1\text{H-NMR}$ spectrum (for which a dimethyl sulfoxide- d_6 solvent was used) of the molecular compound composed of 2,4,6-tris(phenylsulfonyl)phenol and tetrahydrofuran of the composition ratio of 1:1 (molar ratio), that was obtained in Example 9 of this invention.

Figure 23 shows a $^1\text{H-NMR}$ spectrum (for which a dimethyl sulfoxide- d_6 solvent was used) of the molecular compound composed of 2,4,6-tris(phenylsulfonyl)phenol and 1,4-dioxane of the composition ratio of 1:1 (molar ratio), that was obtained in Example 9 of this invention.

Figure 24 shows a thermal analysis (TG/DTA) chart of the molecular compound composed of 2,4,6-tris(phenylsulfonyl)phenol and acetone of the composition ratio of 1:1 (molar ratio), that was obtained in Example 9 of this invention.

Figure 25 shows a thermal analysis (TG/DTA) chart of the molecular compound composed of 2,4,6-tris(phenylsulfonyl)phenol and ethyl acetate of the composition ratio of 1:1 (molar ratio), that was obtained in Example 9 of this invention.

Figure 26 shows a thermal analysis (TG/DTA) chart of the molecular compound composed of 2,4,6-tris(phenylsulfonyl)phenol and tetrahydrofuran of the composition ratio of 1:1 (molar ratio), that was obtained in Example 9 of this invention.

Figure 27 shows a thermal analysis (TG/DTA) chart of the molecular compound composed of 2,4,6-tris(phenylsulfonyl)phenol and 1,4-dioxane of the composition ratio of 1:1 (molar ratio), that was obtained in Example 9 of this invention.

Figure 28 shows a $^1\text{H-NMR}$ spectrum (for which a dimethyl sulfoxide- d_6 solvent was used) of 2,4,6-tris(phenylsulfonyl)phenol.

Most Preferred Embodiment:

The present invention is described in more detail in reference to Examples and Comparative Examples. The scope of this invention is not, however, restricted by these examples.

Example 1

26 g (50 mmol) of 3,3'-bis(phenylsulfonyl)-4,4'-dihydroxydiphenyl sulfone (Compound No. 38 in Table 1, melting point: 245°C) was dispersed and suspended in 500 ml of ethyl acetate. Into the mixture were added 220 ml of an industrial bactericide, Kathon WT (product of Rohm and Haas Co) [that contained 22 g (150 mmol) of 5-chloro-2-methyl-4-isothiazolin-3-one, 8.4 g of 2-methyl-4-isothiazolin-3-one and the remaining part of magnesium chloride, magnesium nitrate and water]. The resulting mixture was heated with stirring for 10 minutes and stood at room temperature for 24 hours. The ethyl-acetate layer was separated and concentrated by distilling ethyl acetate under reduced pressure. The deposited crystals were separated by filtration and dried under reduced pressure by a rotary vacuum pump at room temperature for 5 hours to give a molecular compound composed of 3,3'-bis(phenylsulfonyl)-4,4'-dihydroxydiphenyl sulfone and 5-chloro-2-methyl-4-isothiazolin-3-one of the composition ratio of 1:2 (molar ratio). It was confirmed by thermal analyses (TG/DTA), ¹H-NMR and X-ray diffraction patterns that the obtained was the molecular compound of the said composition. X-ray diffraction patterns showed apparently that the molecular compound was crystalline. This molecular compound released 5-chloro-2-methyl-4-isothiazolin-3-one in the range of approximately 140°C and 160°C. Figures 1, 2 and 3 show a thermal analysis (TG/DTA) chart, a ¹H-NMR spectrum (for which a d-chloroform solvent was used) and an X-ray diffraction pattern of this molecular compound, respectively.

As described above, the molecular compound of the present invention powdered and thermally stabilized 5-chloro-2-methyl-4-isothiazolin-3-one, which is the active ingredient of Kathon WT and a liquid, stimulative and highly decomposing bactericide.

Example 2

26 g (50 mmol) of 3,3'-bis(phenylsulfonyl)-4,4'-dihydroxydiphenyl sulfone, 220 ml of Kathon WT and 900 ml of methanol were mixed and heated to dissolve with stirring. Methanol was gradually evaporated under reduced pressure at room temperature to concentrate the resulting solution. The deposited crystals were separated by filtration and dried under reduced pressure by a rotary vacuum pump at room temperature for 5 hours to give a molecular compound composed of 3,3'-bis(phenylsulfonyl)-4,4'-dihydroxydiphenyl sulfone and 5-chloro-2-methyl-4-isothiazolin-3-one of the composition ratio of 1:2 (molar ratio). It was confirmed by thermal analyses (TG/DTA), ¹H-NMR and X-ray diffraction patterns that the obtained was the molecular compound of the said composition. X-ray diffraction patterns showed apparently that the molecular compound was crystalline.

The same procedure as the above was repeated, except that methanol was rapidly evaporated under reduced pressure at room temperature to concentrate the solution to deposit crystals. The obtained was a molecular compound composed of 3,3'-bis(phenylsulfonyl)-4,4'-dihydroxydiphenyl sulfone and 5-chloro-2-methyl-4-

isothiazolin-3-one of the composition ratio of 1:1 (molar ratio). It was confirmed by thermal analyses (TG/DTA), ¹H-NMR and X-ray diffraction patterns that the obtained was the molecular compound of the said composition. X-ray diffraction patterns showed apparently that the molecular compound was crystalline.

As described above, the molecular compound of the present invention powdered and thermally stabilized 5-chloro-2-methyl-4-isothiazolin-3-one, which is the active ingredient of Kathon WT and a liquid, stimulative and highly decomposing bactericide.

Example 3

Into 220 ml of an industrial bactericide, Kathon WT (product of Rohm and Haas Co.), was added 26 g of 3,3'-bis(phenylsulfonyl)-4,4'-dihydroxydiphenyl sulfone. The mixture was stirred for 10 minutes under the suspension condition at room temperature, and stood at room temperature for 24 hours. The solid matter was separated by filtration and dried under reduced pressure by a rotary vacuum pump at room temperature for 5 hours to give a molecular compound composed of 3,3'-bis(phenylsulfonyl)-4,4'-dihydroxydiphenyl sulfone and 5-chloro-2-methyl-4-isothiazolin-3-one of the composition ratio of 1:1 (molar ratio). It was confirmed by thermal analyses (TG/DTA), ¹H-NMR and X-ray diffraction patterns that the obtained was the molecular compound of the said composition. X-ray diffraction patterns showed apparently that the molecular compound was crystalline. This molecular compound released 5-chloro-2-methyl-4-isothiazolin-3-one in the range of approximately 120°C and 205°C.

As described above, the molecular compound of the present invention powdered and thermally stabilized 5-chloro-2-methyl-4-isothiazolin-3-one, which is the active ingredient of Kathon WT and a liquid, stimulative and highly decomposing bactericide.

Comparative Example 1

Examples 1 to 3 were repeated except that the same mole number of 4,4'-dihydroxydiphenyl sulfone, bis(4-hydroxyphenyl) ether, bis(4-hydroxyphenyl) thioether, bis(4-hydroxyphenyl)methane, 2,2-bis(4-hydroxyphenyl)propane, bis(4-hydroxyphenyl) ketone or 2,4'-dihydroxydiphenyl sulfone was used instead of 3,3'-bis(phenylsulfonyl)-4,4'-dihydroxydiphenyl sulfone. In all the cases no molecular compound of 5-chloro-2-methyl-4-isothiazolin-3-one was produced.

Example 4

Into 400 ml of ethyl acetate were added 26 g (50 mmol) of 3,3'-bis(phenylsulfonyl)-4,4'-dihydroxydiphenyl sulfone and 17 g (150 mmol) of 2-ethyl-4-methylimidazole. The mixture was heated to dissolve and stood for 24 hours at room temperature. The deposited crystals were separated by filtration and dried under reduced pressure by a rotary vacuum pump at room temperature for 5 hours to give a molecular compound composed of 3,3'-bis(phenylsulfonyl)-4,4'-dihydroxydiphenyl sulfone and 2-ethyl-4-methylimidazole of the composition ratio of 1:2 (molar ratio). It was confirmed by thermal analyses (TG/DTA), ¹H-NMR and X-ray diffraction patterns that

the obtained was the molecular compound of the said composition. X-ray diffraction patterns showed that the molecular compound was crystalline. The melting point of 2-ethyl-4-methylimidazole is 47°C in comparison to 199°C of the obtained molecular compound. The compound released 2-ethyl-4-methylimidazole at about 195°C. Figures 4 and 5 show a $^1\text{H-NMR}$ spectrum (for which a dimethyl sulfoxide- d_6 solvent was used) and an X-ray diffraction pattern of the molecular compound, respectively.

As described above, the molecular compound of the present invention made it possible to crystallize 2-ethyl-4-methylimidazole, which has a low melting point, and to control its melting and volatility.

A molecular compound composed of the aforementioned 3,3'-bis(phenylsulfonyl)-4,4'-dihydroxydiphenyl sulfone and 2-ethyl-4-methylimidazole, which acts as a curing agent and curing accelerator for epoxy resins, of the composition ratio of 1:2 (molar ratio) was used as a clathrated catalyst in order to study curing characteristics of epoxy resins.

UVR-6410, a general-purpose monomer produced by Union Carbide Co, was used as an epoxy monomer. The clathrated catalyst was added so that the net weight of the curing agent (2-ethyl-4-methylimidazole) was 0.4 g to 10 g of the monomer. The mixture was well stirred in a 50-ml Teflon beaker for 5 minutes. Part of the resulting mixture was used as a sample for DSC (Differential Scanning Calorimeter) measurements. Figure 6 shows the results of the DSC measurements.

As seen from Figure 6, when the 2-ethyl-4-methylimidazole clathrated catalyst with the host compound of 3,3'-bis(phenylsulfonyl)-4,4'-dihydroxydiphenyl sulfone was used, curing started at 114°C, and the curing reaction peaked at 135°C.

The above reaction was repeated except that 2-ethyl-4-methylimidazole was used as a curing agent instead of the clathrath catalyst. Curing started at 79°C and the curing reaction peaked at 114°C.

Based on the above results, it was confirmed that, with the use of the clathrated catalyst of 2-ethyl-4-methylimidazole, curing starting temperature was raised and a difference in temperature between the start of curing and the peak of the curing reaction was reduced so as to improve heat sensitivity.

Example 5

20 g (38 mmol) of 3,3'-bis(phenylsulfonyl)-4,4'-dihydroxydiphenyl sulfone and 12 g (150 mmol) of pyridine were dissolved in 100 ml of methanol at room temperature. The resulting solution stood at 0°C for 24 hours. The deposited crystals were separated by filtration and dried under reduced pressure by a rotary vacuum pump at room temperature for 5 hours to give a molecular compound composed of 3,3'-bis(phenylsulfonyl)-4,4'-dihydroxydiphenyl sulfone and pyridine of the composition ratio of 1:2 (molar ratio). It was confirmed by thermal analyses (TG/DTA), ¹H-NMR and X-ray diffraction patterns that the obtained was the molecular compound of the said composition. X-ray diffraction patterns showed that the molecular compound was crystalline. This molecular compound released pyridine in the range of approximately

90°C and 200°C. Figures 7 and 8 show a $^1\text{H-NMR}$ spectrum (for which a dimethyl sulfoxide-d₆ solvent was used) and a thermal analysis (TG/DTA) chart of the molecular compound, respectively.

As described above, the molecular compound of the present invention made it possible to powder pyridine, which is a liquid at room temperature, and to control its volatility.

Example 6

20 g (38 mmol) of 3,3'-bis(phenylsulfonyl)-4,4'-dihydroxydiphenyl sulfone, 12 g (150 mmol) of pyridine and 4.6 g (40 mmol) of 1,3-dimethyl-2-imidazolidinone were added into 200 ml of ethyl acetate at room temperature and heated to dissolve. The resulting solution stood at 0°C for 24 hours. The deposited crystals were separated by filtration and dried under reduced pressure by a rotary vacuum pump at room temperature for 5 hours to give a molecular compound composed of 3,3'-bis(phenylsulfonyl)-4,4'-dihydroxydiphenyl sulfone, pyridine and 1,3-dimethyl-2-imidazolidinone of the composition ratio of 1:1:1 (molar ratio). It was confirmed by thermal analyses (TG/DTA), $^1\text{H-NMR}$ and X-ray diffraction patterns that the obtained was the molecular compound of the said composition. X-ray diffraction patterns showed that the molecular compound was crystalline. This molecular compound released pyridine and 1,3-dimethyl-2-imidazolidinone in the range of approximately 118°C and 212°C. Figures 9 and 10 show a $^1\text{H-NMR}$ spectrum (for which a dimethyl sulfoxide-d₆ solvent was used) and a thermal analysis (TG/DTA) chart of the molecular compound, respectively.

As described above, the molecular compound of the present invention made it possible to powder pyridine and 1,3-dimethyl-2-imidazolidinone, which are liquids at room temperature, and to control their volatility.

Comparative Example 2

Examples 5 and 6 were repeated except that the same mole number of 4,4'-dihydroxydiphenyl sulfone, bis(4-hydroxyphenyl) ether, bis(4-hydroxyphenyl) thioether, bis(4-hydroxyphenyl)methane, 2,2-bis(4-hydroxyphenyl)propane, bis(4-hydroxyphenyl) ketone or 2,4'-dihydroxydiphenyl sulfone was used instead of 3,3'-bis(phenylsulfonyl)-4,4'-dihydroxydiphenyl sulfone. In all the cases no molecular compounds of pyridine and 1,3-dimethyl-2-imidazolidinone were produced.

Example 7

15 g (28 mmol) of 3,3'-bis(phenylsulfonyl)-4,4'-dihydroxydiphenyl sulfone was added into 100 ml of tetrahydrofuran and heated to dissolve. The resulting solution stood at room temperature for 72 hours. The deposited crystals were separated by filtration and dried under reduced pressure by a rotary vacuum pump at room temperature for 5 hours to give a molecular compound composed of 3,3'-bis(phenylsulfonyl)-4,4'-dihydroxydiphenyl sulfone and tetrahydrofuran of the

composition ratio of 1:4 (molar ratio). The same procedure was repeated except that 1,4-dioxane and N,N-dimethylformamide were used, instead of tetrahydrofuran, to give molecular compounds composed of 3,3'-bis(phenylsulfonyl)-4,4'-dihydroxydiphenyl sulfone and 1,4-dioxane of the composition ratio of 1:1 (molar ratio), and of 3,3'-bis(phenylsulfonyl)-4,4'-dihydroxydiphenyl sulfone and N,N-dimethylformamide of the composition ratio of 1:1.5 (molar ratio), respectively. It was confirmed by thermal analyses (TG/DTA), ¹H-NMR and X-ray diffraction patterns that the obtained were the molecular compounds of the said compositions. X-ray diffraction patterns showed that the molecular compounds were crystalline.

As described above, the molecular compounds of the present invention made it possible to powder tetrahydrofuran, 1,4-dioxane and N,N-dimethylformamide, which are liquids at room temperature.

Comparative Example 3

Example 7 was repeated except that the same mole number of 4,4'-dihydroxydiphenyl sulfone, bis(4-hydroxyphenyl) ether, bis(4-hydroxyphenyl) thioether, bis(4-hydroxyphenyl)methane, 2,2-bis(4-hydroxyphenyl)propane, bis(4-hydroxyphenyl) ketone or 2,4'-dihydroxydiphenyl sulfone was used instead of 3,3'-bis(phenylsulfonyl)-4,4'-dihydroxydiphenyl sulfone. In all the cases no molecular compounds of tetrahydrofuran, 1,4-dioxane and N,N-dimethylformamide were produced.

Example 8

20 g of 2,4-bis(phenylsulfonyl)phenol was added into 100 ml of a mixed solvent of 1,3-dimethyl-2-imidazolidinone and methanol of 1:1 (volume ratio) and heated to dissolve. The resulting solution stood at 5°C for 24 hours. The deposited crystals were separated by filtration and dried under reduced pressure by a rotary vacuum pump at room temperature for 5 hours to give a molecular compound composed of 2,4-bis(phenylsulfonyl)phenol and 1,3-dimethyl-2-imidazolidinone of the composition ratio of 1:1 (molar ratio). The same procedure was repeated except that pyridine was used, instead of 1,3-dimethyl-2-imidazolidinone and methanol, to give a molecular compound composed of 2,4-bis(phenylsulfonyl)phenol and pyridine of the composition ratio of 1:1 (molar ratio). 20 g of 2,4-bis(phenylsulfonyl)phenol was added into 50 ml of N,N-dimethylformamide and heated to dissolve. N,N-dimethylformamide was removed by a rotary evaporator. The solid residue was dried under reduced pressure by a rotary vacuum pump at 80°C for 5 hours to give a molecular compound composed of 2,4-bis(phenylsulfonyl)phenol and N,N-dimethylformamide of the composition ratio of 1:1 (molar ratio). The same procedure was repeated using dimethyl sulfoxide, instead of N,N-dimethylformamide, to give a molecular compound composed of 2,4-bis(phenylsulfonyl)phenol and dimethyl sulfoxide of the composition ratio of 1:0.75 (molar ratio). It was confirmed by thermal analyses (TG/DTA), ¹H-NMR and X-ray diffraction patterns that the obtained were the molecular compounds of the said compositions. X-ray diffraction patterns showed apparently that each of the molecular

compounds was crystalline. Each of the molecular compounds released 1,3-dimethyl-2-imidazolidinone in the range of approximately 130°C and 230°C, pyridine in the range of approximately 90°C and 210°C, N,N-dimethylformamide in the range of approximately 95°C and 185°C, and dimethyl sulfoxide in the range of approximately 95°C and 220°C.

Figures 11, 12, 13 and 14 show $^1\text{H-NMR}$ spectra (for which a dimethyl sulfoxide- d_6 solvent was used) of the molecular compounds composed of 2,4-bis(phenylsulfonyl)phenol with 1,3-dimethyl-2-imidazolidinone, pyridine, N,N-dimethylformamide and dimethyl sulfoxide, respectively. Their thermal analysis (TG/DTA) charts are shown in Figures 15, 16, 17 and 18, respectively. For comparison, a $^1\text{H-NMR}$ spectrum (for which a dimethyl sulfoxide- d_6 solvent was used) of 2,4-bis(phenylsulfonyl)phenol is shown in Figure 19.

As described above, the molecular compounds of the present invention made it possible to powder 1,3-dimethyl-2-imidazolidinone, pyridine, N,N-dimethylformamide and dimethyl sulfoxide, which are liquids at room temperature, and to control their volatility.

Example 9

20 g (38 mmol) of 2,4,6-tris(phenylsulfonyl)phenol was suspended in 100 ml of acetone. The mixture was heated at reflux temperature for 10 minutes and stood at 5°C for 24 hours. The deposited crystals were separated by filtration and dried under reduced pressure by a rotary vacuum pump at room temperature for 5 hours to give a molecular compound composed of 2,4,6-tris(phenylsulfonyl)phenol and acetone of the composition ratio of 1:1 (molar ratio). The same procedure was repeated except that ethyl acetate, tetrahydrofuran or 1,4-dioxane was used, instead of acetone, to give a molecular compound composed of 2,4,6-tris(phenylsulfonyl)phenol and ethyl acetate, tetrahydrofuran or 1,4-dioxane, of the composition ratio of 1:1 (molar ratio). It was confirmed by thermal analyses (TG/DTA), $^1\text{H-NMR}$ and X-ray diffraction patterns that the obtained were the molecular compounds of the said compositions. X-ray diffraction patterns showed apparently that each of the molecular compounds was crystalline. The molecular compounds released acetone in the range of approximately 90°C and 132°C, ethyl acetate in the range of approximately 70°C and 81°C, tetrahydrofuran in the range of approximately 85°C and 188°C and dimethyl sulfoxide in the range of approximately 92°C and 136°C.

Figures 20, 21, 22 and 23 show $^1\text{H-NMR}$ spectra (for which a dimethyl sulfoxide- d_6 solvent was used) of the molecular compounds composed of 2,4,6-tris(phenylsulfonyl)phenol with acetone, ethyl acetate, tetrahydrofuran and 1,4-dioxane, respectively. Their thermal analysis (TG/DTA) charts are shown in Figures 24, 25, 26 and 27, respectively. For comparison, a $^1\text{H-NMR}$ spectrum (for which a dimethyl sulfoxide- d_6 solvent was used) of 2,4,6-tris(phenylsulfonyl)phenol is shown in Figure 28.

As described above, the molecular compounds of the present invention made it

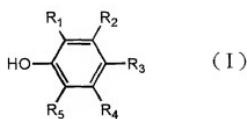
possible to powder acetone, ethyl acetate, tetrahydrofuran and 1,4-dioxane, which are liquids at room temperature, and to control their volatility.

Applicability in Industry:

Novel molecular compounds of the present invention can be prepared by simple operations. Besides they chemically stabilize, make nonvolatile, slowly release and powder a variety of substances. They can be also used for the selective separation or recovery of specific substances. Furthermore, the molecular compounds of the present invention can be used together with various substances and in a variety of forms. Therefore, the present invention is applicable in very wide areas and has great significance in industry.

What is claimed is:

1. A molecular compound containing, as a constituent, a phenol derivative represented by Formula (I)



[wherein R₁ and R₅ are, same or different, groups selected from hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl or



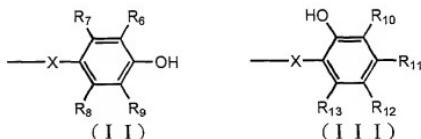
(wherein Y and Z are alkyl having 1 to 8 carbons, alkenyl having 2 to 8 carbons, alkoxy having 1 to 6 carbons, hydroxyl, optionally substituted amino, optionally substituted cycloalkyl, optionally substituted phenyl or optionally substituted aralkyl);

R_2 and R_4 are, same or different, hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons or hydroxyl, but they are groups selected from hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl or

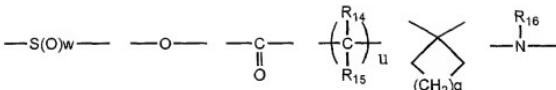


(wherein Y and Z are as defined above), in case R₁, R₃ or R₅ is alkoxy having 1 to 4 carbons or hydroxyl;

R_3 is hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl, Formula (II) or Formula (III)

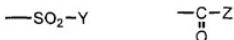


{wherein X is



(wherein w is 0, 1 or 2; u is 0 or 1; q is 0 to 4; R₁₄ and R₁₅ are, same or different, hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl, optionally substituted phenyl or optionally substituted aralkyl; R₁₆ is hydrogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl, optionally substituted phenyl or optionally substituted aralkyl);

R₆, R₇ and R₁₀ are, same or different, groups selected from hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl, or



(wherein Y and Z are as defined above);

R₇, R₈, R₁₁ and R₁₃ are, same or different, hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons or hydroxyl, but R₁₁ is a group selected from hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl or



(wherein Y and Z are as defined above) in case R₁₂ is alkoxy having 1 to 4 carbons or hydroxyl;

R₁₂ is a group selected from hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl or



(wherein Y and Z are as defined above}), or



(wherein Y and Z are as defined above), or
when R₃ is of Formula (II), one of R₁, R₅, R₆ and R₉ is a group represented by



(wherein Y and Z are as defined above)
when R₃ is of Formula (III), at least one of R₁, R₅ and R₁₀ is a group represented by

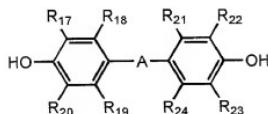


(wherein Y and Z are as defined above), and
when R₃ is a group other than Formula (II) or (III), either R₁ or R₅ is a group represented by

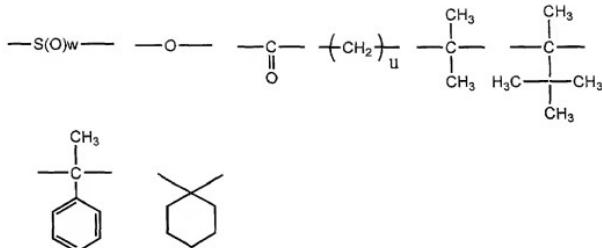


(wherein Y and Z are as defined above)].

2. A molecular compound containing, as a constituent, a phenol derivative represented by Formula (IV)



[wherein A is a group selected from

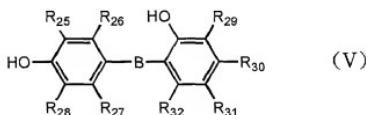


(wherein w is 0, 1 or 2 and u is 0 or 1); R_{18} , R_{19} , R_{21} and R_{24} are , same or different, hydrogen, halogen, alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons; R_{17} is

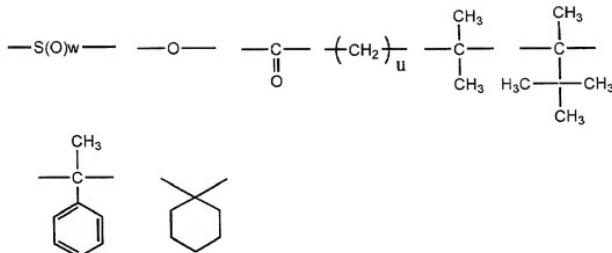


(wherein Y and Z are alkyl having 1 to 6 carbons, alkenyl having 2 to 6 carbons, cyclohexyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, cyclopentyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, phenyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or halogen, benzyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, phenethyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, α -methylbenzyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, or naphthyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen), and R_{20} , R_{22} and R_{23} are , same or different, hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons or the same groups as those for R_{17}).

3. A molecular compound containing, as a constituent, a phenol derivative represented by Formula (V)



[wherein B is a group selected from



(wherein w is 0, 1 or 2 and u is 0 or 1); R₂₆, R₂₇, R₃₀ and R₃₂ are, same or different, hydrogen, halogen, alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons; R₂₅, R₂₈, R₂₉ and R₃₁ are, same or different, hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons or



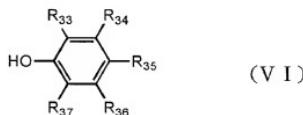
(wherein Y and Z are alkyl having 1 to 6 carbons, alkenyl having 2 to 6 carbons, cyclohexyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, cyclopentyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, phenyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or halogen, benzyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, phenethyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, α -methylbenzyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, or naphthyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen), and at least one of R₂₅, R₂₈ and R₂₉ is



(wherein Y and Z are alkyl having 1 to 6 carbons, alkenyl having 2 to 6 carbons,

cyclohexyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, cyclopentyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, phenyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or halogen, benzyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, phenethyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, α -methylbenzyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, or naphthyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen].

4. A molecular compound containing, as a constituent, a phenol derivative represented by Formula (VI)



[wherein R_{31} is



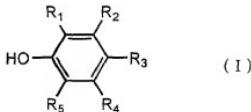
(wherein Y and Z are alkyl having 1 to 6 carbons, alkenyl having 2 to 6 carbons, cyclohexyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, cyclopentyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, phenyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or halogen, benzyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, phenethyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, α -methylbenzyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, or naphthyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen), and R_{34} , R_{35} , R_{36} and

R_{37} are, same or different, hydrogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl, halogen or the same groups as those for R_{33}].

5. A molecular compound according to Claims 1 to 4, in which the molecular compound is a clathrate compound.
6. A molecular compound according to Claims 1 to 5, in which the molecular compound contains, as constituents, a phenol derivative of Formula (I), (IV), (V) or (VI) and antibacterial agents, antifungal agents, insecticides, noxious insect repellants, perfumes, deodorants, antifouling agents, curing agents and accelerators for coating materials, resins and adhesives, natural essential oils, antioxidants, vulcanization accelerators or organic solvents, that react with the said phenol derivative to form a molecular compound.
7. A process for producing a molecular compound according to Claims 1 to 6, in which a phenol derivative of Formula (I), (IV), (V) or (VI) is reacted with constituent compounds that react with the said phenol compound to form a molecular compound.

Abstract

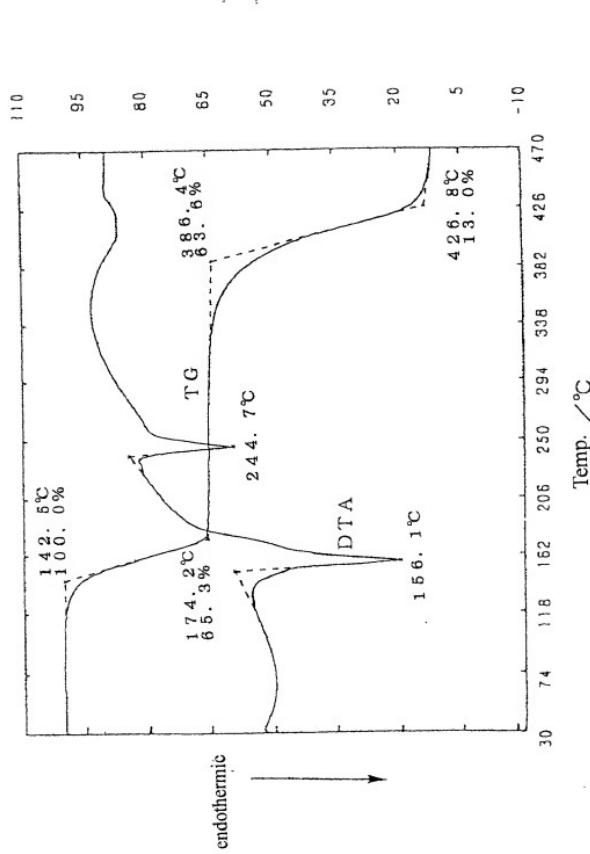
Novel molecular compounds which have an excellent performance in the technical fields where a useful substance is selectively separated, chemically stabilized, rendered nonvolatile or gradually releasable, powdered, or otherwise treated. The molecular compounds are produced from a phenol derivative represented by general formula (I), e.g., 3,3'-bis(phenylsulfonyl)-4,4'-dihydroxydiphenyl sulfone or 2,4-bis(phenylsulfonyl)phenol, as a constituent compound.



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Figure 1

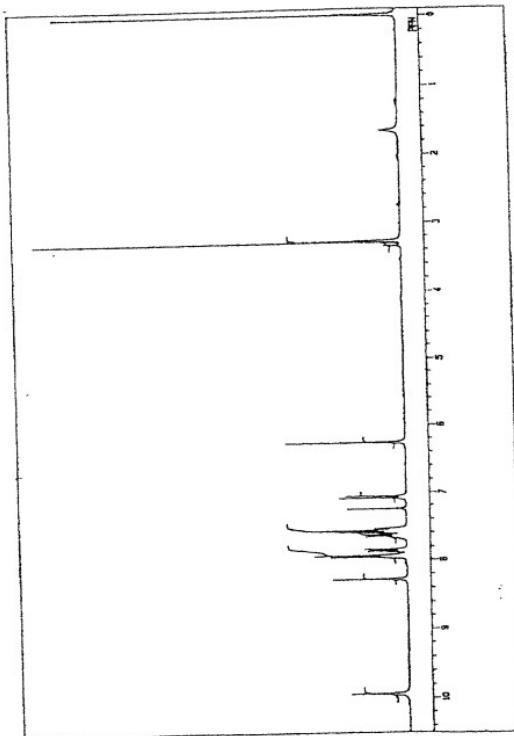


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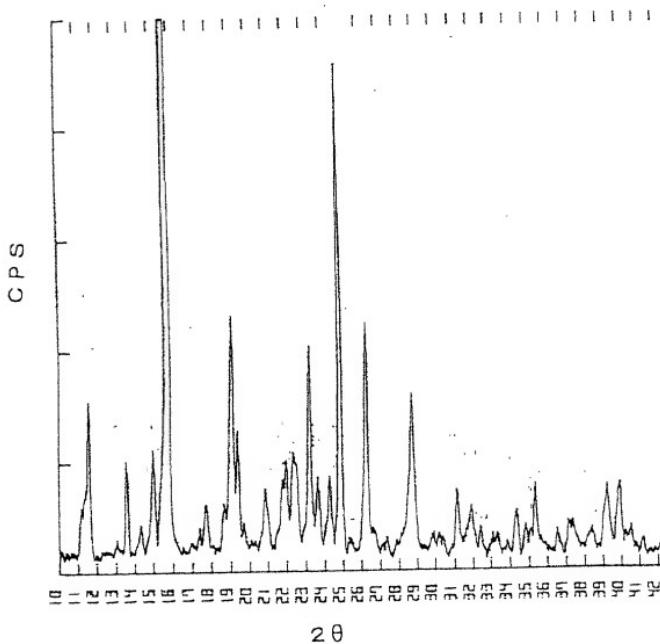
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Figure 2



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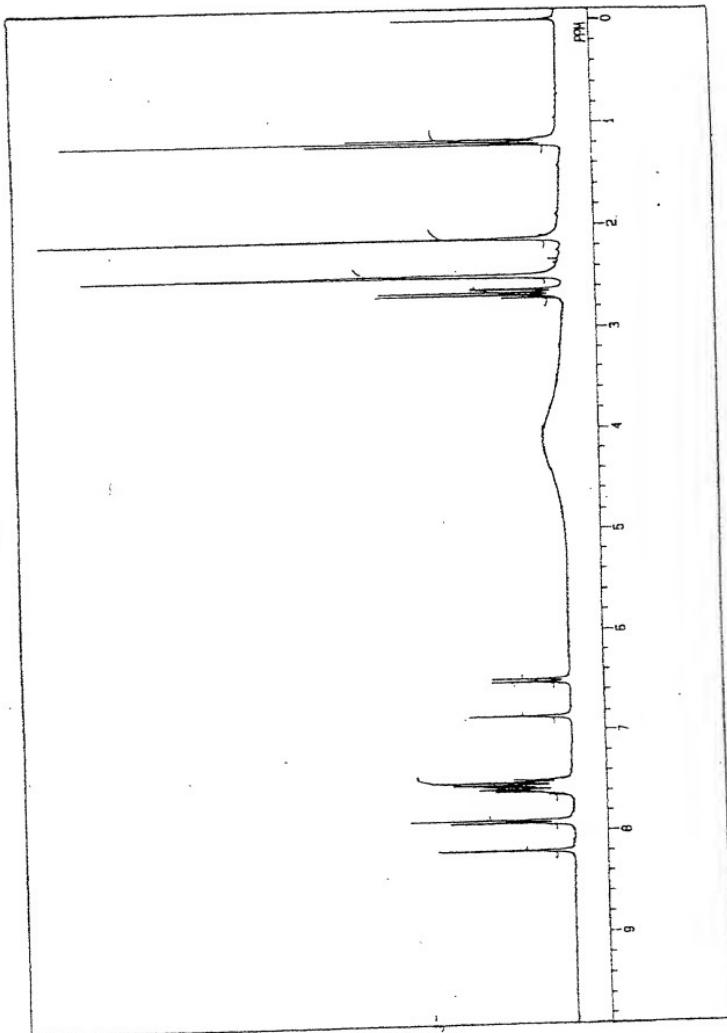
Figure 3



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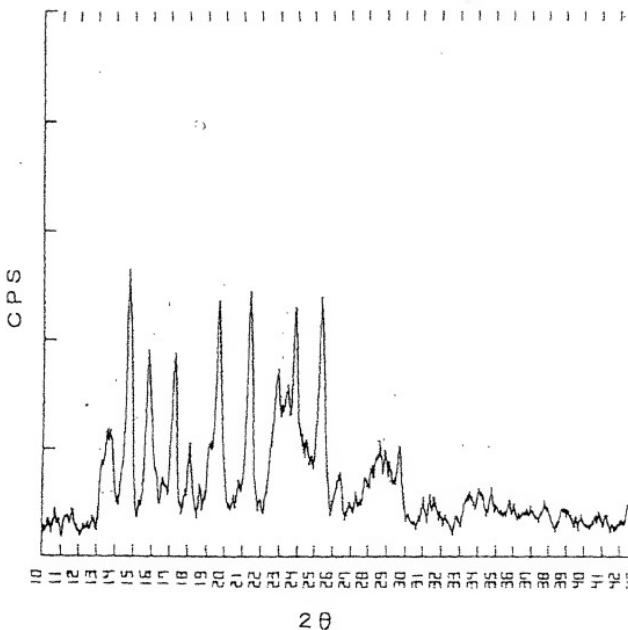
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Figure 4



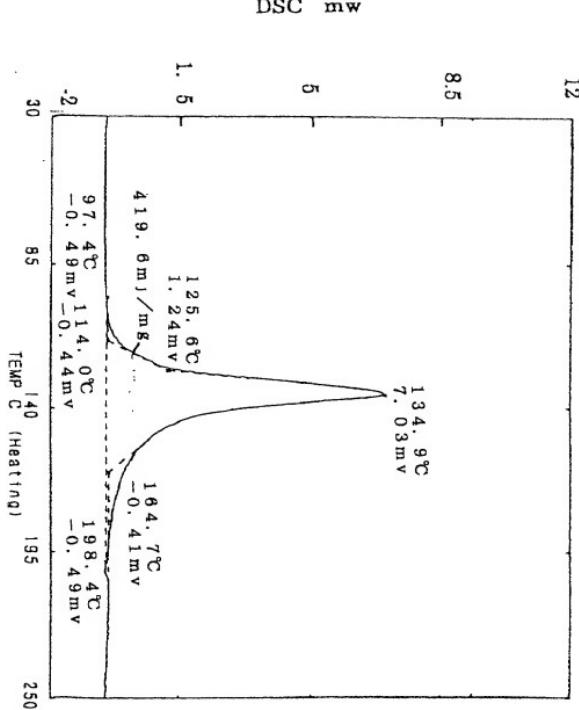
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Figure 5



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Figure 6



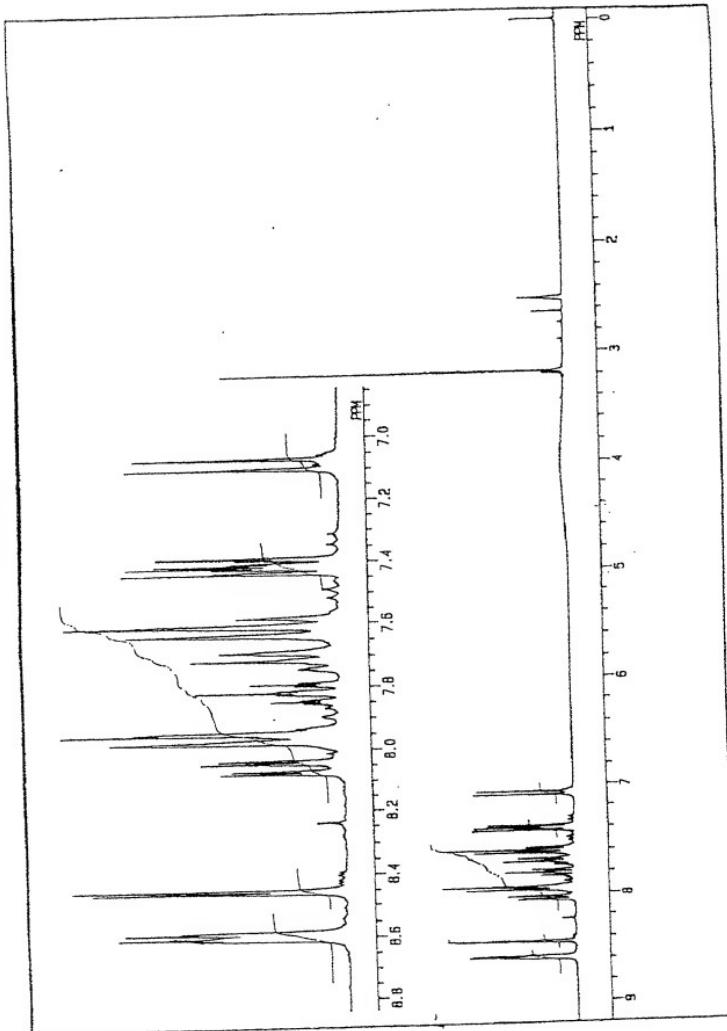
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Figure 7

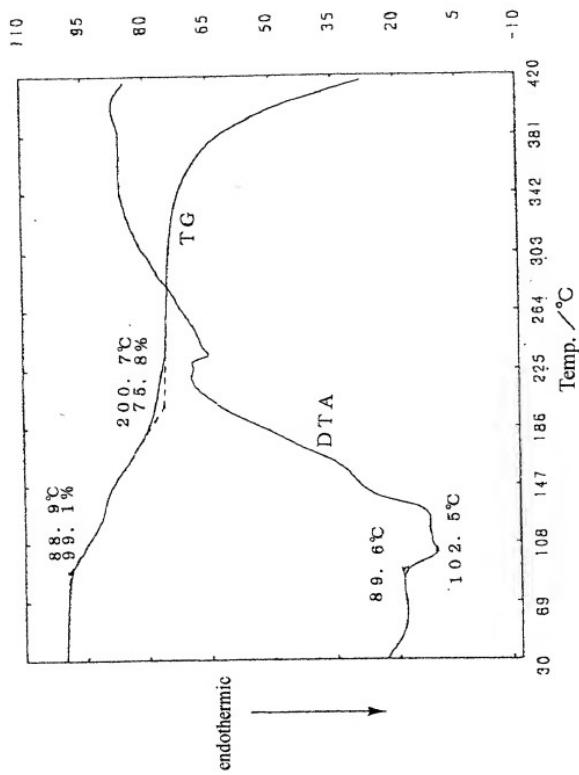


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POLYBIS(4-PHENYLPHENYL) S SLEZ 300

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Figure 8

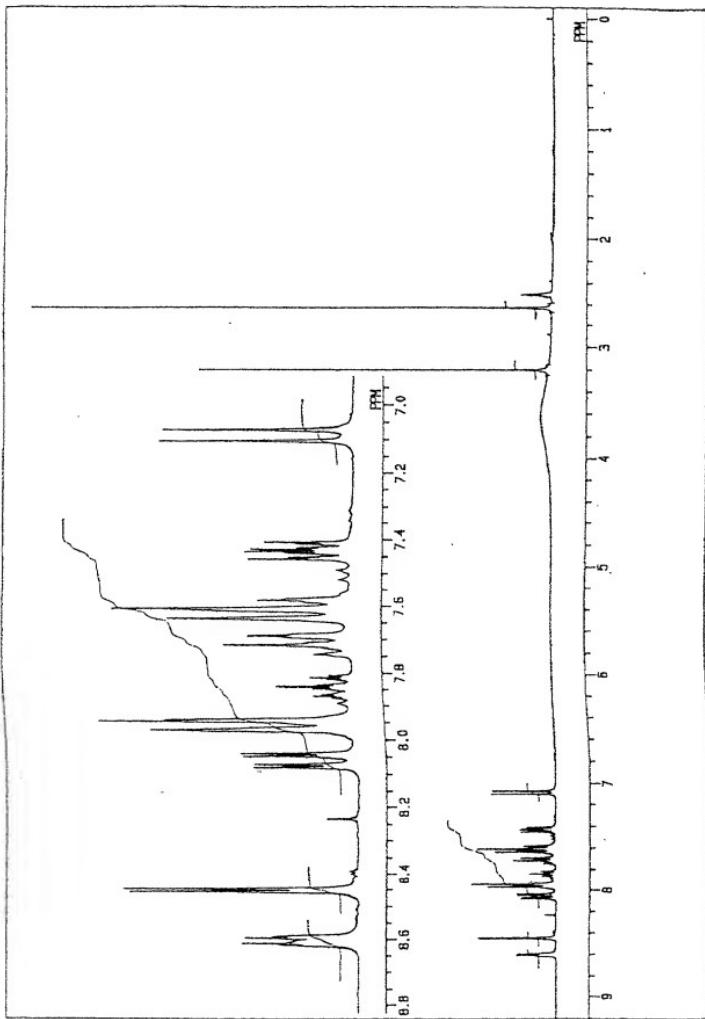


ANALYSIS OF

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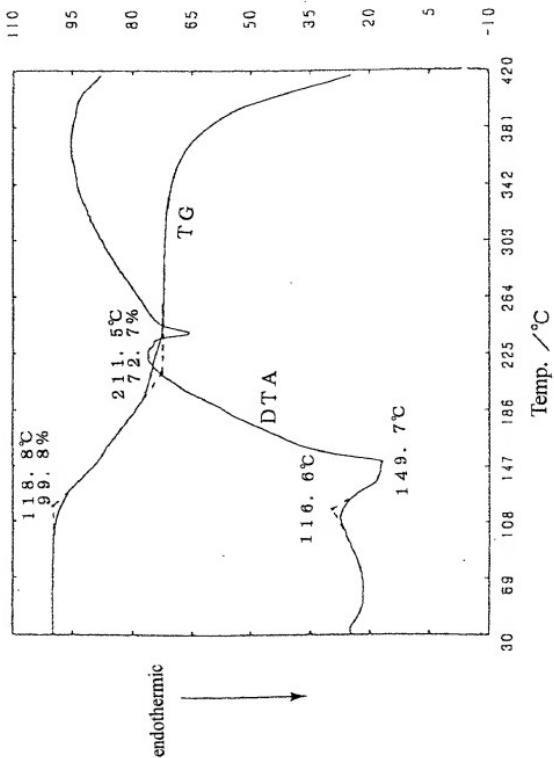
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Figure 9



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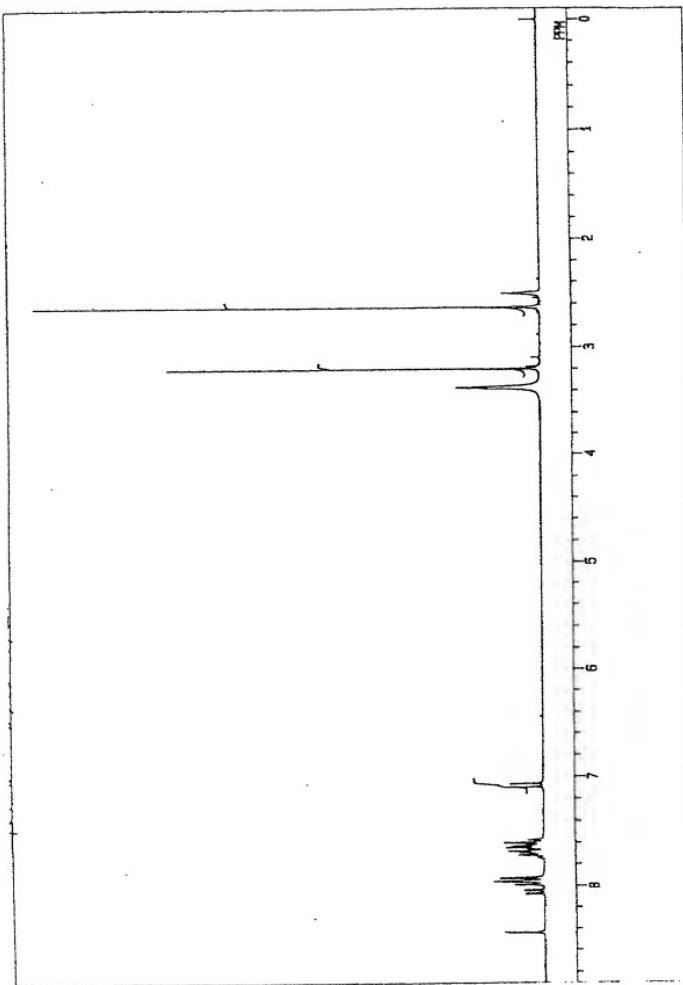
Figure 10
TG (%)



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Figure 11

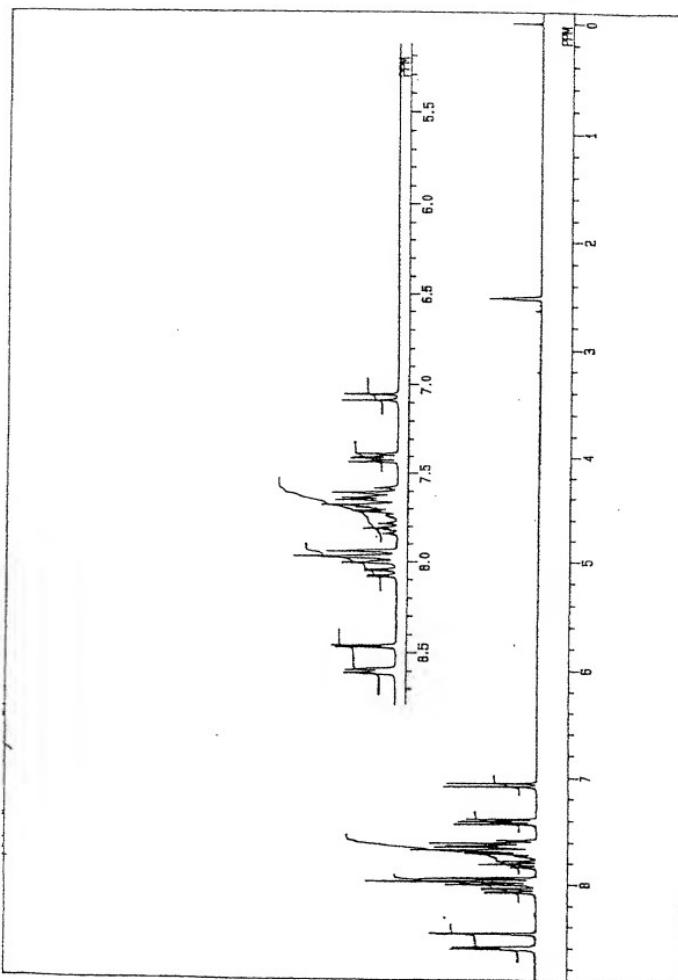


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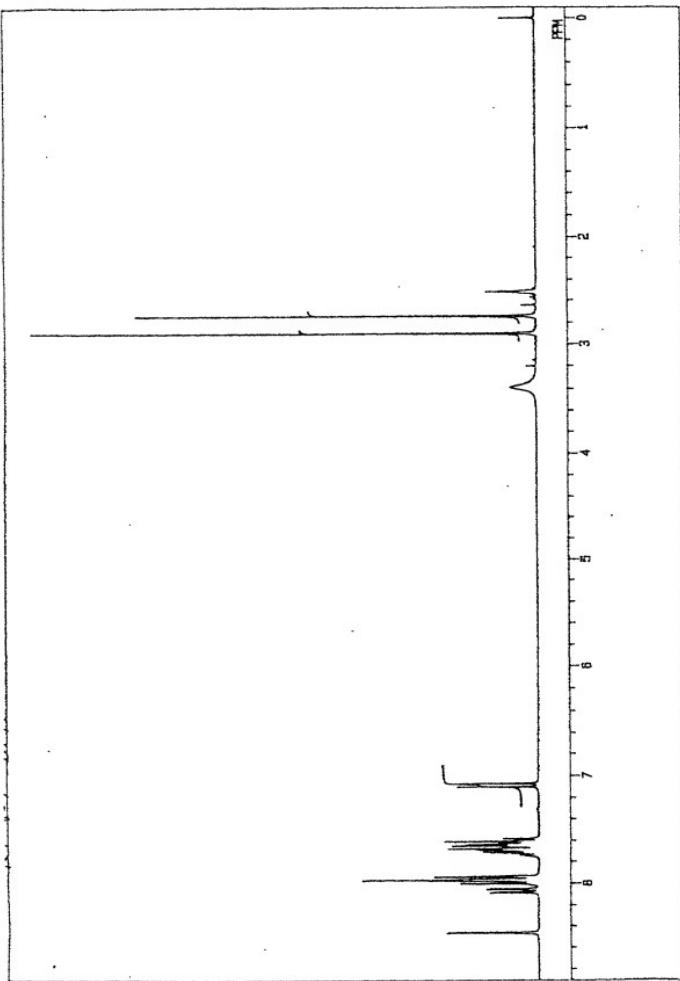
Figure12



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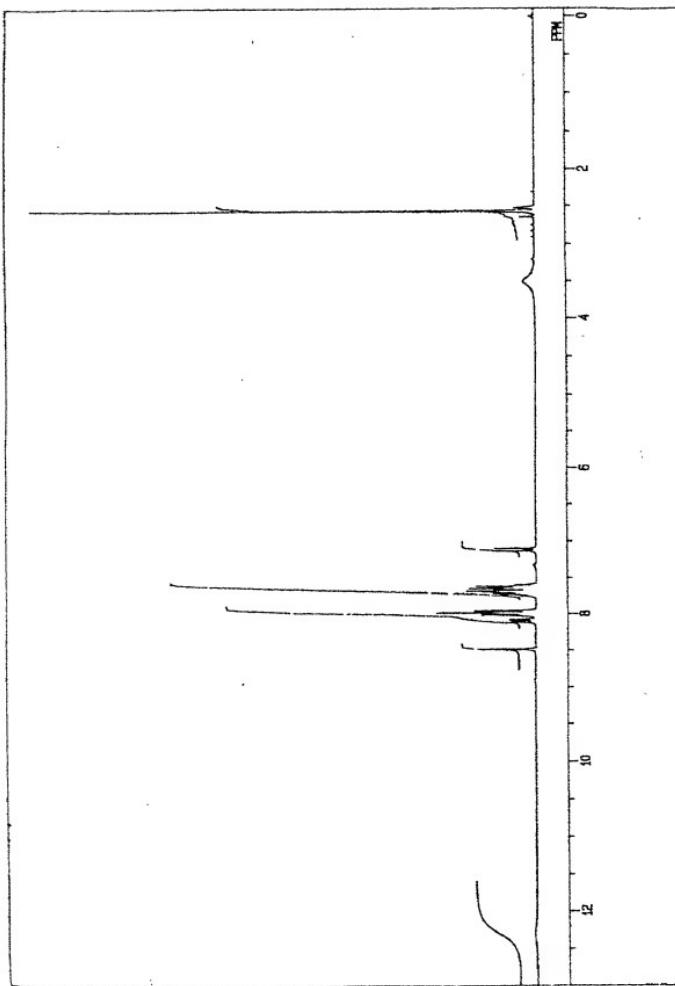
Figure13



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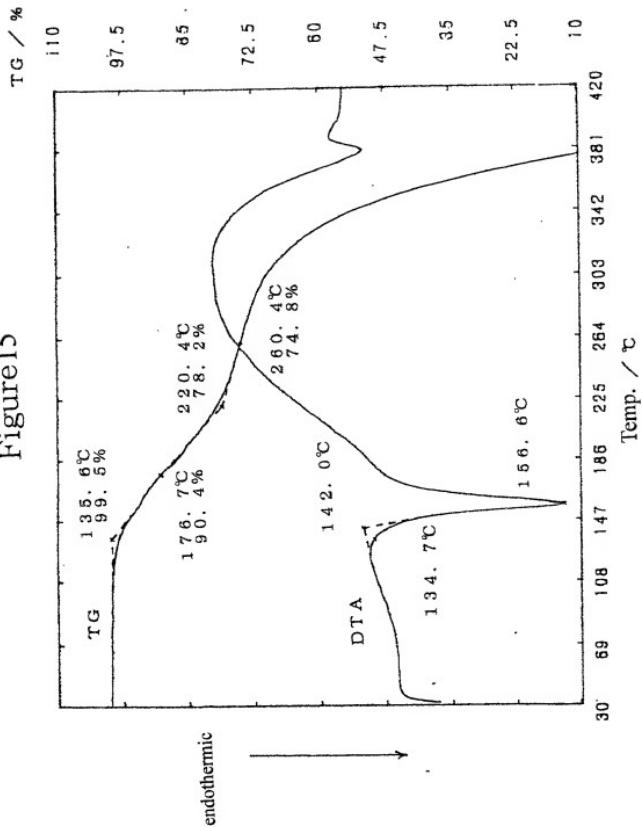
Figure 14



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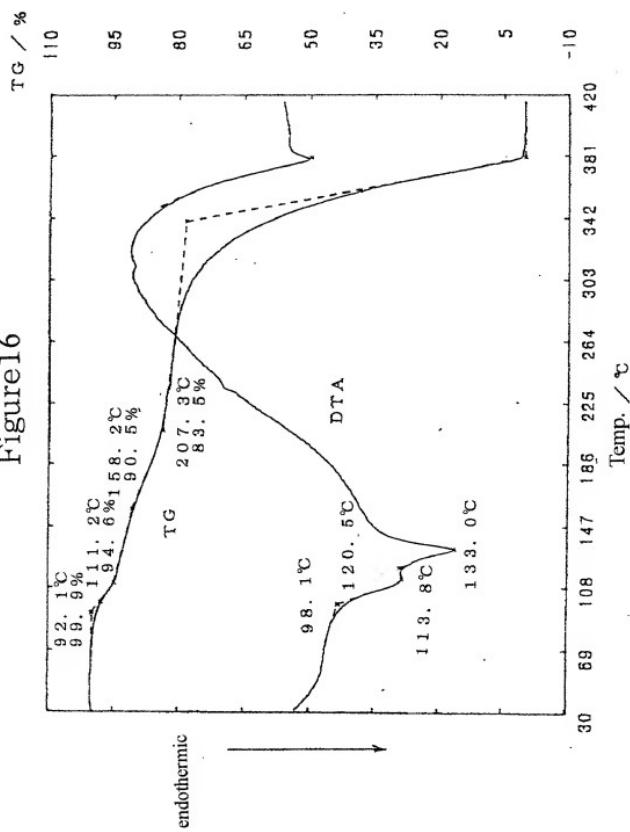
Figure 15



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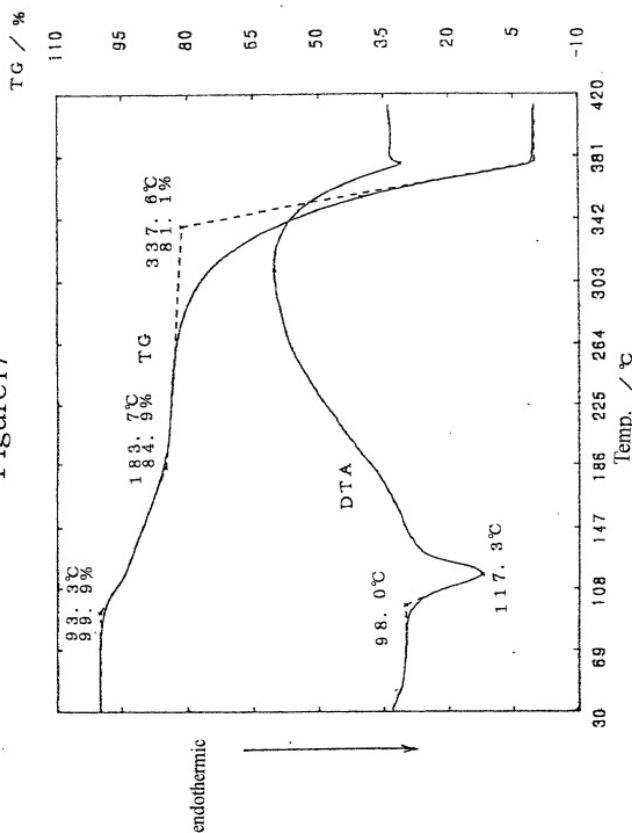
Figure 16



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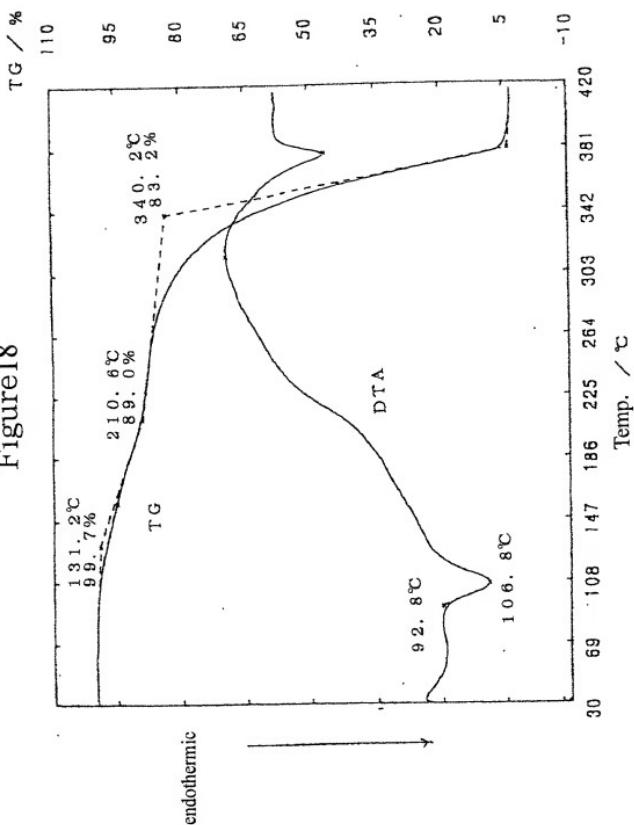
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Figure 17



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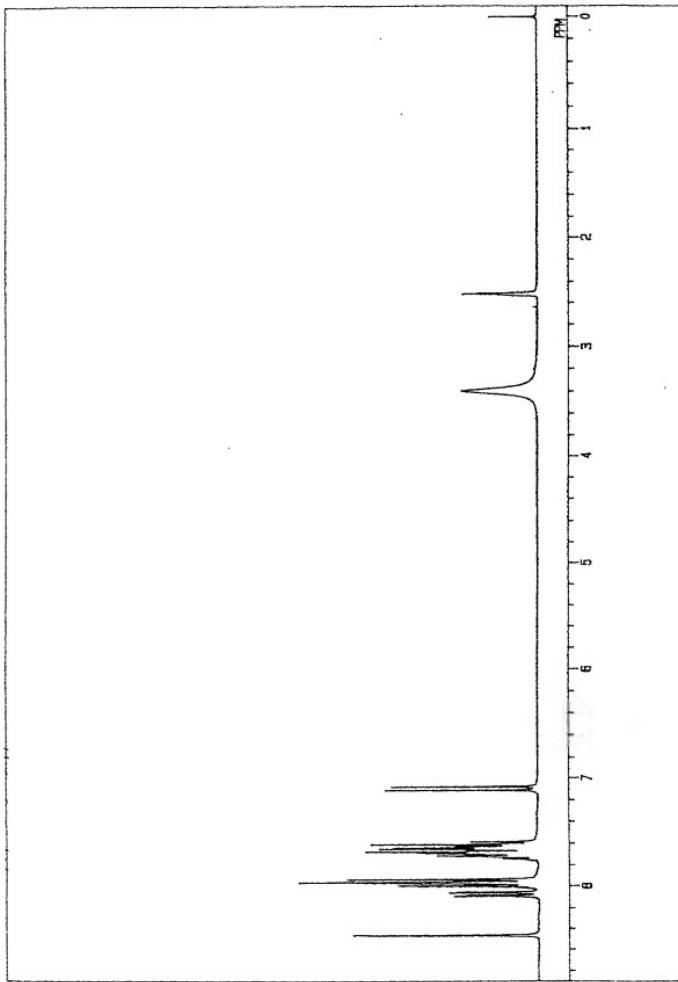
Figure 18



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Figure19

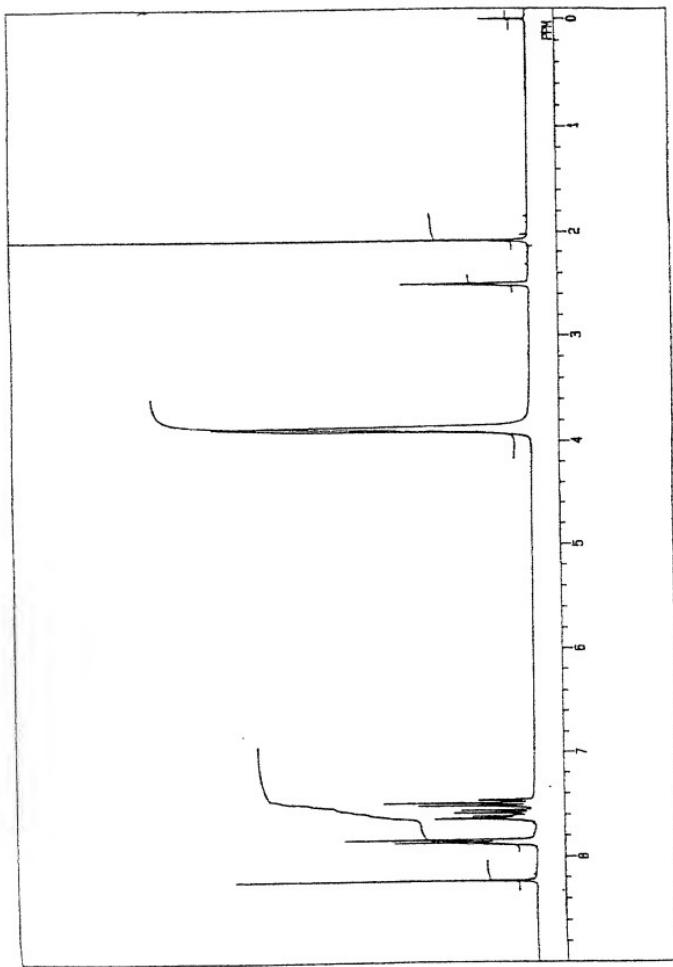


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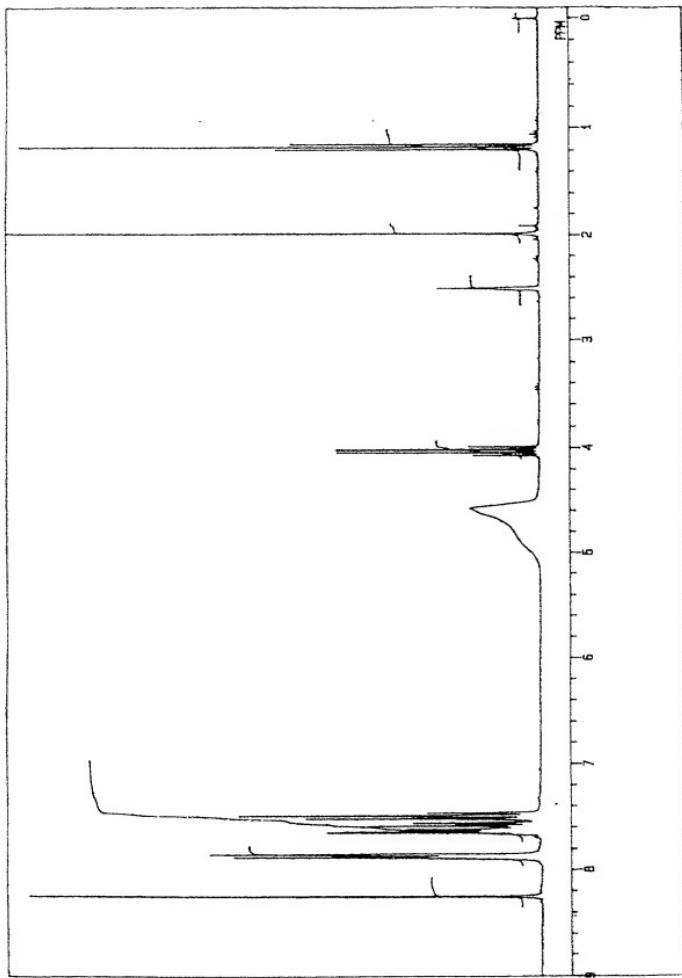
Figure20



09/486981

008220° T3698460

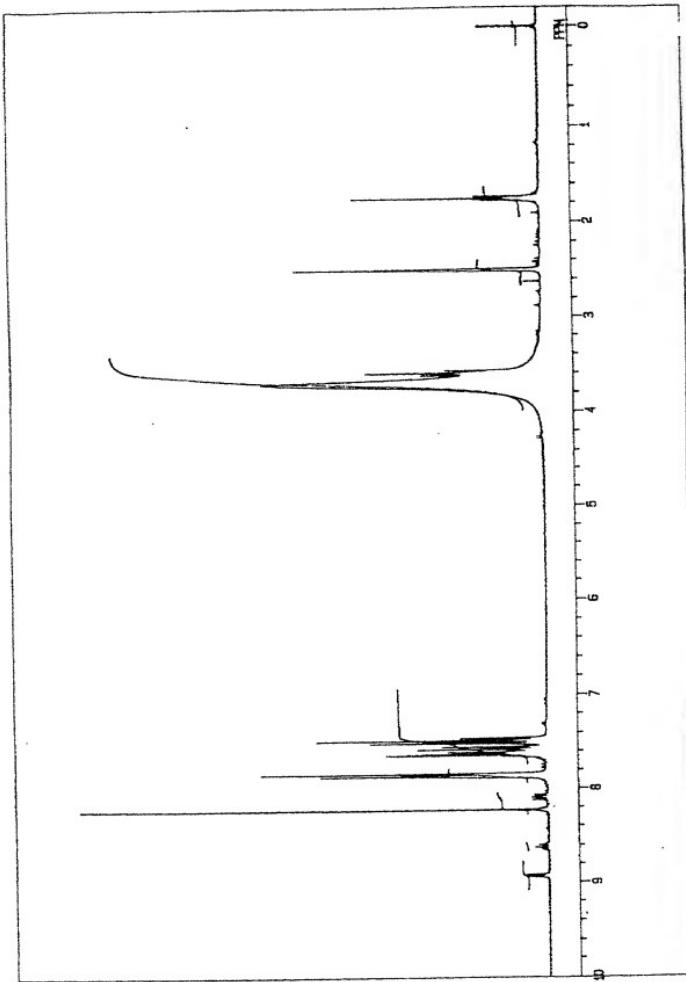
Figure21



09/486981

0000 6378 S 9 LEB 3000

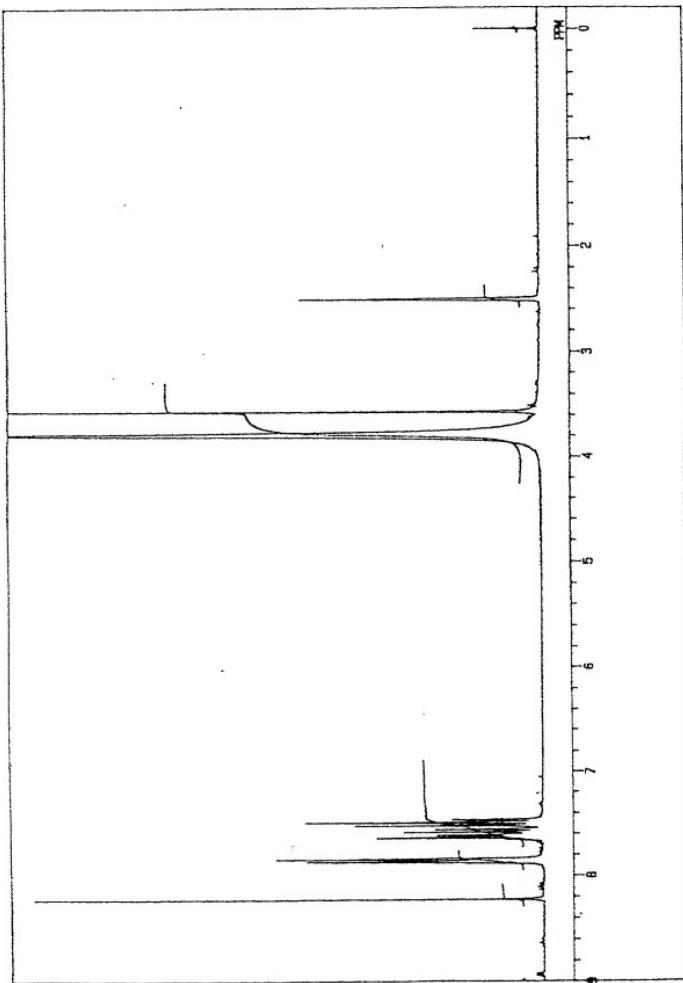
Figure22



09/486981

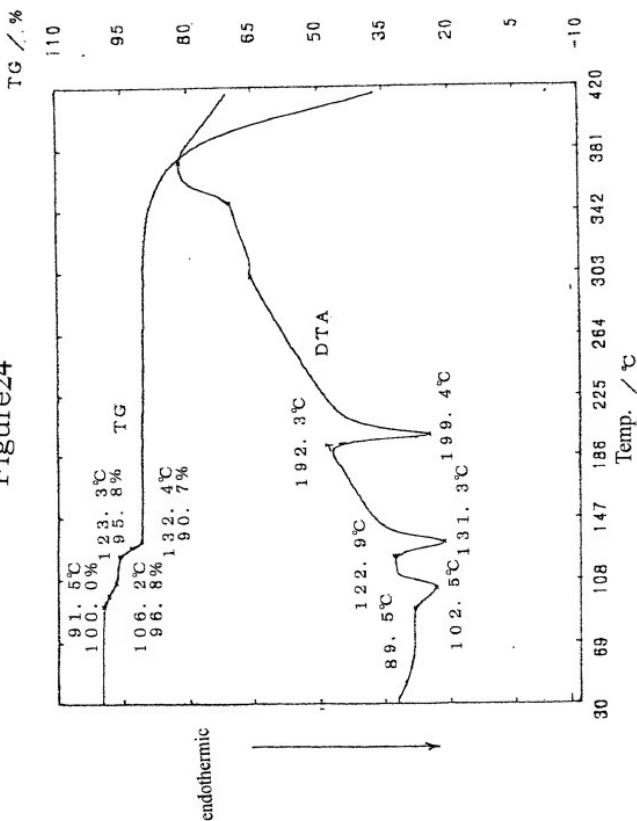
0108220 " T3698460

Figure23



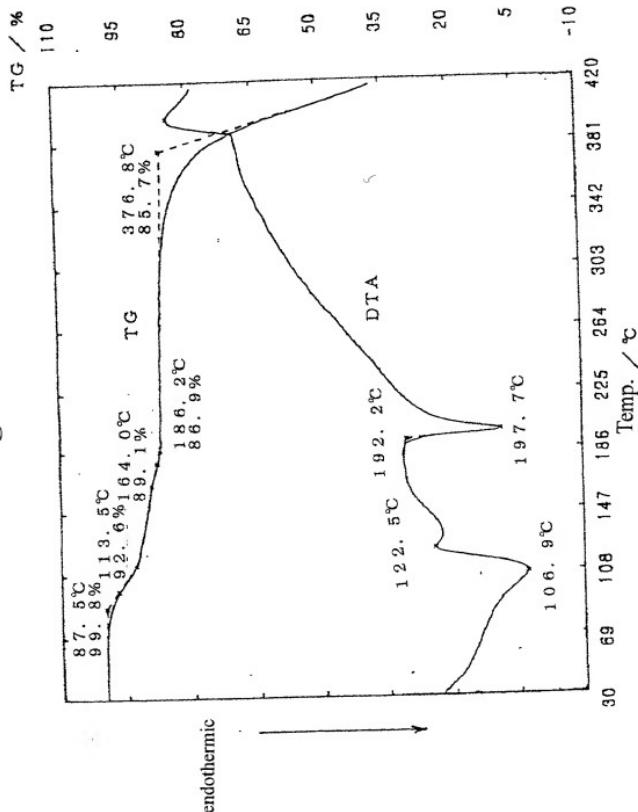
卷之三

Figure 24



09/486981

Figure26

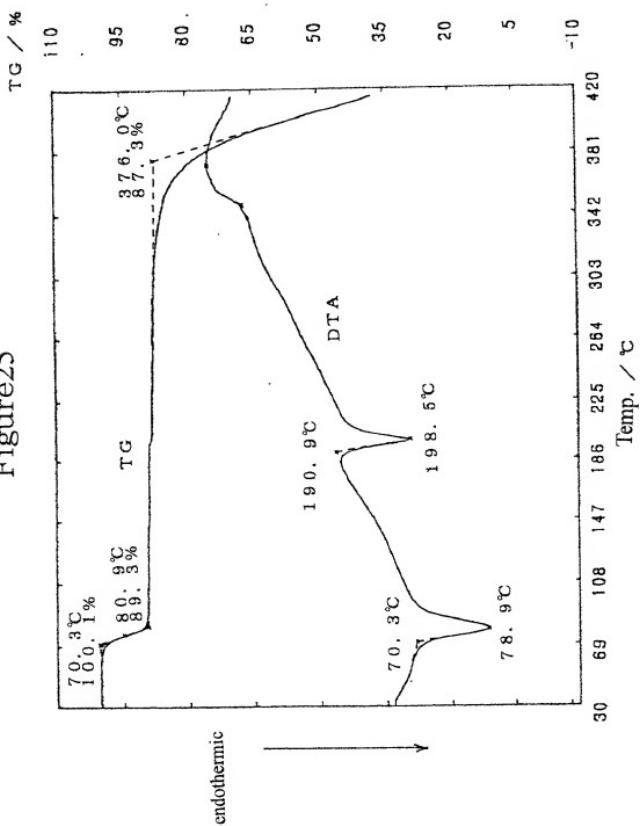


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09/486981 DTA TG DSC

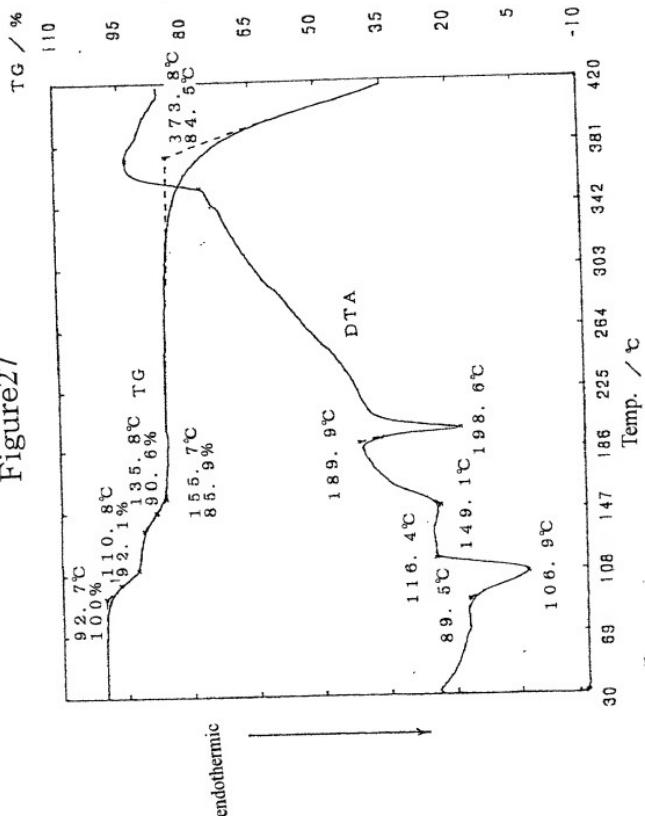
0008220 " 19693460

Figure 25



008220 "T669860

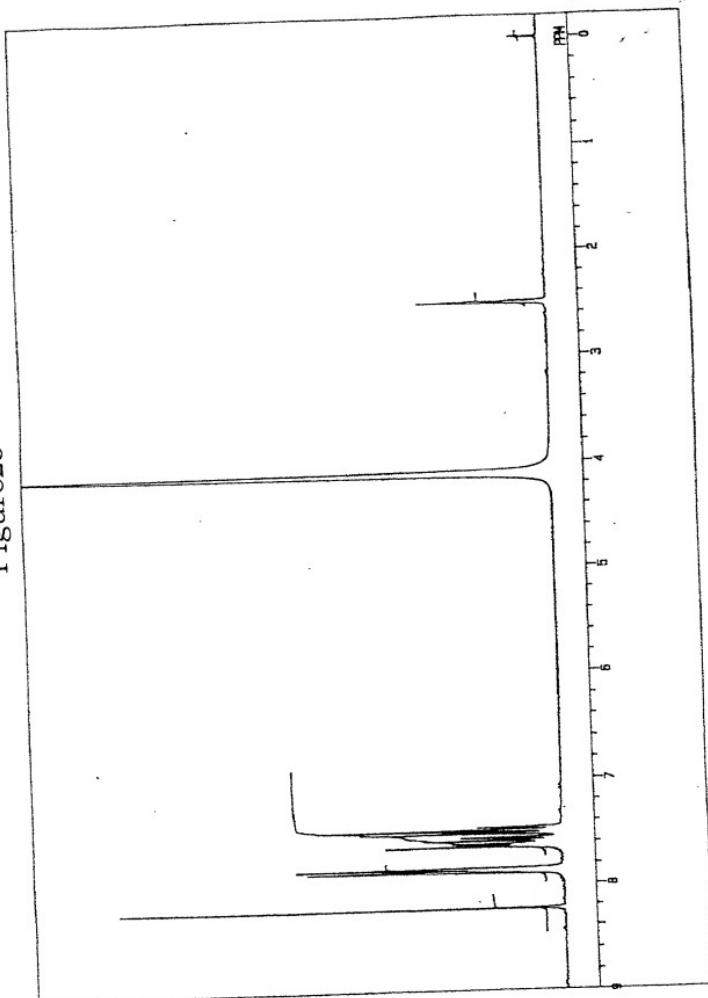
Figure 27



09/486981

SEARCHED INDEXED SERIALIZED FILED
DOCS ESTATE OF RONALD REAGAN

Figure 28



Practitioner's Docket No. 1576.79

PATENT**COMBINED DECLARATION AND POWER OF ATTORNEY**(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL,
CONTINUATION, OR C-I-P)

As a below named inventor, I hereby declare that:

TYPE OF DECLARATION

This declaration is of the following type:

(check one applicable item below)

- original.
 design.
 supplemental.

NOTE: If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application, do not check next item; check appropriate one of last three items.

- national stage of PCT.

NOTE: If one of the following 3 items apply, then complete and also attach ADDED PAGES FOR DIVISIONAL, CONTINUATION OR C-I-P.

NOTE: See 37 C.F.R. § 1.63(d) (continued prosecution application) for use of a prior nonprovisional application declaration in the continuation or divisional application being filed on behalf of the same or fewer of the inventors named in the prior application.

- divisional.
 continuation.

NOTE: Where an application discloses and claims subject matter not disclosed in the prior application, or a continuation or divisional application names an inventor not named in the prior application, a continuation-in-part application must be filed under 37 C.F.R. § 1.53(b) (application filing requirements — nonprovisional application).

- continuation-in-part (C-I-P).

INVENTORSHIP IDENTIFICATION

WARNING: If the inventors are each not the inventors of all the claims, an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.

My residence, post office address and citizenship are as stated below, next to my name. I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

MOLECULAR COMPOUNDS CONTAINING PHENOL DERIVATIVES AS CONSTITUENT

SPECIFICATION IDENTIFICATION

the specification of which:

(complete (a), (b), or (c))

(a) is attached hereto.

NOTE: "The following combinations of information supplied in an oath or declaration filed on the application filing date with a specification are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37 CFR 1.63:

"(1) name of inventor(s), and reference to an attached specification which is both attached to the oath or declaration at the time of execution and submitted with the oath or declaration on filing;

"(2) name of inventor(s), and attorney docket number which was on the specification as filed;
or

"(3) name of inventor(s), and title which was on the specification as filed."

Notice of July 13, 1995 (1177 O.G. 60).

(b) was filed on _____, as Serial No. 0 / _____
or _____
and was amended on _____. (if applicable).

NOTE: Amendments filed after the original papers are deposited with the PTO that contain new matter are not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 C.F.R. § 1.67.

NOTE: "The following combinations of information supplied in an oath or declaration filed after the filing date are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37 CFR 1.63:

"(A) application number (consisting of the series code and the serial number, e.g., 08/123,456);

"(B) serial number and filing date;

"(C) attorney docket number which was on the specification as filed;

"(D) title which was on the specification as filed and reference to an attached specification which is both attached to the oath or declaration at the time of execution and submitted with the oath or declaration; or

"(E) title which was on the specification as filed and accompanied by a cover letter accurately identifying the application for which it was intended by either the application number (consisting of the series code and the serial number, e.g., 08/123,456), or serial number and filing date. Absent any statement(s) to the contrary, it will be presumed that the application filed in the PTO is the application which the inventor(s) executed by signing the oath or declaration."

M.P.E.P. § 601.01(a), 7th Ed.

(c) was described and claimed in PCT International Application No. _____, filed on _____ and as amended under PCT Article 19 on _____ (if any).

SUPPLEMENTAL DECLARATION (37 C.F.R. § 1.67(b))

(complete the following where a supplemental declaration is being submitted)

- I hereby declare that the subject matter of the
 attached amendment
 amendment filed on _____

was part of my/our invention and was invented before the filing date of the original application, above-identified, for such invention.

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56,

(also check the following items, if desired)

- and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and
 in compliance with this duty, there is attached an information disclosure statement, in accordance with 37 C.F.R. § 1.98.

PRIORITY CLAIM (35 U.S.C. §§ 119(a)–(d))

NOTE: *"The claim to priority need be in no special form and may be made by the attorney or agent if the foreign application is referred to in the oath or declaration as required by § 1.63. The claim for priority and the certified copy of the foreign application specified in 35 U.S.C. 119(b) must be filed in the case of an interference (§ 1.63(d), when necessary to overcome the date of a reference relied upon by the examiner, when specifically required by the examiner, and in all other situations, before the patent is granted. If the claim for priority or the certified copy of the foreign application is filed after the date the issue fee is paid, it must be accompanied by a petition requesting entry and by the fee set forth in § 1.17(f). If the certified copy is not in the English language, a translation need not be filed except in the case of interference; or when necessary to overcome the date of a reference relied upon by the examiner; or when specifically required by the examiner, in which event an English language translation must be filed together with a statement that the translation of the certified copy is accurate." 37 C.F.R. § 1.59(a).*

I hereby claim foreign priority benefits under Title 35, United States Code, §§ 119(a)–(d) of any foreign application(s) for patent or inventor's certificate or of any PCT International application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT International application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

(complete (d) or (e))

- (d) no such applications have been filed.
(e) such applications have been filed as follows.

NOTE: Where item (c) is entered above and the International Application which designated the U.S. itself claimed priority check item (e), enter the details below and make the priority claim.

**PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION
AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)-(d)**

COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 37 USC 119
JAPAN	252930/1997	02 09 97	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>
JAPAN	308058/1997	22 10 97	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>
PCT	PCT/JP98/03917	02 09 98	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>
			<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>
			<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>

**CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S)
(34 U.S.C. § 119(e))**

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

PROVISIONAL APPLICATION NUMBER

FILING DATE

____ / _____
____ / _____
____ / _____

____ / _____
____ / _____
____ / _____

**CLAIM FOR BENEFIT OF EARLIER US/PCT APPLICATION(S)
UNDER 35 U.S.C. § 120**

- The claim for the benefit of any such applications are set forth in the attached ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR CONTINUATION-IN-PART (C-I-P) APPLICATION.

**ALL FOREIGN APPLICATION(S), IF ANY, FILED MORE THAN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

NOTE: If the application filed more than 12 months from the filing date of this application is a PCT filing forming the basis for this application entering the United States as (1) the national stage, or (2) a continuation, divisional, or continuation-in-part, then also complete ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR C-I-P APPLICATION for benefit of the prior U.S. or PCT application(s) under 35 U.S.C. § 120.

POWER OF ATTORNEY

I hereby appoint the following practitioner(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

(list name and registration number)

Joseph C. Mason, Jr.
#20,153

Dennis G. LaPointe
#40,693

Louise A. Foutch Joseph R. Englander
#37,133 #38,871

(check the following item, if applicable)

- I hereby appoint the practitioner(s) associated with the Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.
- Attached, as part of this declaration and power of attorney, is the authorization of the above-named practitioner(s) to accept and follow instructions from my representative(s).

SEND CORRESPONDENCE TO

DIRECT TELEPHONE CALLS TO:
(Name and telephone number)

Address

Joseph C. Mason, Jr.
Mason & Associates, P.A.
17757 U.S. Hwy 19 North
Suite 500
Clearwater, FL 33764

Joseph C. Mason, Jr.
(727) 538-3800

Customer Number _____

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)

NOTE: Carefully indicate the family (or last) name, as it should appear on the filing receipt and all other documents.

NOTE: Each inventor must be identified by full name, including the family name, and at least one given name without abbreviation together with any other given name or initial, and by his/her residence, post office address and country of citizenship. 37 CFR § 1.63(a)(3).

NOTE: Inventors may execute separate declarations/oaths provided each declaration/oath sets forth all the inventors. Section 1.63(a)(3) requires that a declaration/oath, inter alia, identify each inventor and prohibits the execution of separate declarations/oaths which each sets forth only the name of the executing inventor. 62 Fed. Reg. 53,131, 53,142, October 10, 1997.

Full name of sole or first inventor

<u>Izuo</u> (GIVEN NAME)	<u>AOKI</u> FAMILY (OR LAST NAME)
<u>Inventor's signature</u> <u>AOKI MIDORI</u>	
<u>Izuo AOKI</u> deceased on <u>January 7, 1999</u>	By: <u>Mrs. Midori AOKI</u> Widow and
<u>Date</u> <u>Feb. 7, 2000</u>	<u>Country of Citizenship</u> <u>JAPAN</u> Legal
<u>Residence</u> <u>1348-4 Goi Ichihara-shi Chiba 290-0056 JAPAN</u>	Representative
<u>Post Office Address</u> <u>Same as above</u>	<u>JP2</u>

Full name of second joint inventor, if any

<u>Takehiro</u> (GIVEN NAME)	<u>SATO</u> FAMILY (OR LAST NAME)
<u>Inventor's signature</u> <u>Takehiro</u>	<u>Fato</u>
<u>Date</u> <u>Feb. 10, 2000</u>	<u>Country of Citizenship</u> <u>JAPAN</u>
<u>Residence</u> <u>359-3, Ino, Hiratsuka-shi, Kanagawa 259-1216 JAPAN</u>	
<u>Post Office Address</u> <u>Same as above</u>	<u>JP2</u>

Full name of third joint inventor, if any

<u>Masato</u> (GIVEN NAME)	<u>AMAIKE</u> FAMILY (OR LAST NAME)
<u>Inventor's signature</u> <u>Masato</u>	<u>Amaike</u>
<u>Date</u> <u>Feb. 7, 2000</u>	<u>Country of Citizenship</u> <u>JAPAN</u>
<u>Residence</u> <u>2-4, Yushudaihigashi, Ichihara-shi, Chiba 299-0124 JAPAN</u>	
<u>Post Office Address</u> <u>Same as above</u>	<u>JP2</u>

(check proper box(es) for any of the following added page(s)
that form a part of this declaration)

Signature for fourth and subsequent joint inventors. Number of pages added
1

* * *

Signature by administrator(trix), executor(trix) or legal representative for de-peased or incapacitated inventor. Number of pages added 1

* * *

Signature for Inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added _____

* * *

Added page for signature by one joint Inventor on behalf of deceased Inventor(s) where legal representative cannot be appointed in time. (37 CFR 1.47)

* * *

Added pages to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (C-I-P) application.

Number of pages added _____

* * *

Authorization of practitioner(s) to accept and follow instructions from representative.

* * *

*(if no further pages form a part of this Declaration,
then end this Declaration with this page and check the following item)*

This declaration ends with this page.

00822073698460

1348-4 AOKI

Practitioner's Docket No. 1576.79

ADDED PAGE TO COMBINED DECLARATION AND POWER OF
ATTORNEY FOR SIGNATURE BY ADMINISTRATOR(TRIX), EXECUTOR(TRIX)
OR LEGAL REPRESENTATIVE ON BEHALF OF DECEASED OR
INCAPACITATED INVENTOR (37 C.F.R. § 1.42 AND 1.43)

I, Midori AOKI

(type or print name(s) of administrator(trix), executor(trix), legal representative or all heirs)

hereby declare that I am a citizen of JAPAN,
residing at 1348-4 Goi Ichihara-shi Chiba 290-0056 JAPAN

and that I am executing and signing the declaration to which this is attached as

(check one):

- the administrator(trix) of
 executor(trix) of the last will and testament of
 legal representative (or heirs) of

Izuo AOKI

Full name of (first, second etc.) deceased or incapacitated inventor
JAPAN

Country of citizenship of deceased or incapacitated inventor

1348-4 Goi Ichihara-shi Chiba 290-0056 JAPAN

Residence of deceased or incapacitated inventor

Same as above

Post Office Address of deceased or incapacitated inventor

NOTE: The name of the first, second etc. deceased or incapacitated inventor should preferably also be filled in at the appropriate prior space of the declaration adding the words "deceased-completed on added page" or "incapacitated-completed on added page."

That, upon information and belief, I aver those facts that the inventor is required to state.

Date: Feb. 7, 2000

MIDORI AOKI

signature of administrator(trix), executor(trix), legal representative (or all heirs)

NOTE: Proof of authority of the administrator(trix), executor(trix) or legal representative must be recorded in the PLO or filed in the application before the grant of the patent. 37 CAR 1.44.

NOTE: Application may be made by the heirs of the inventor if a certificate of the court will establish that they are all the heirs and the estate was not required to appoint an administrator. If the heirs are signing add lines for all the heirs to sign. M.P.E.P. § 409.01(a), 6th ed., rev. 3.

4

Patent Application Serial No. 10/232,000

**ADDED PAGE TO COMBINED DECLARATION AND POWER OF ATTORNEY
FOR SIGNATURE BY THIRD AND SUBSEQUENT INVENTORS**

4

Full name of ~~third~~ joint Inventor, if any Hiroshi SUZUKI

Inventor's signature Hiroshi Suzuki

Date February 7, 2000 Country of Citizenship JAPAN

Residence 1-504, Neostage-Oyumino, 281-3 Ariyoshi-cho, Midori-ku
~~Post Office Address~~ Chiba 266-0012 JAPAN JP

Post Office Address Same as above

Full name of fourth joint Inventor, if any XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

Inventor's signature _____

Date _____ Country of Citizenship JAPAN

Residence _____

Post Office Address _____

Full name of fifth joint Inventor, if any XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

Inventor's signature _____

Date _____ Country of Citizenship JAPAN

Residence _____

Post Office Address _____

(Added Page to Combined Declaration and Power of Attorney for Signature by Third and
Subsequent Inventors [1-2])